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ENUMERATIO
LICHENUM

ICONIBUS ET DESCRIPTIONIBUS
ILLUSTRATA

A

GEORG. FRANC. HOFFMANN.



FASCIC. I.

LEPRA
VERRUCARIA TUBERCULARIA
SCUTELLARIA.

ERLANGAE,
SUMTIBUS WOLFGANGI WALTHERI.
CIƆIƆCCLXXXIV.

Byſſus antiquitatis; pulverulenta atra. LINN. *Sp. Pl. Ed. R.* p. 595. NECK. *Gallob. p.* 530. HUDS. Fl. Angl. Ed. 2. p. 608.

Lichen cruſtaceus ſaxatilis, omnium minimus, niger. HALL. *Hiſt. n.* 2081.

B.

Byſſus ſaxatilis; pulverulenta cinerea rupes operiens. LINN. *Sp. Pl. Ed. R. p.* 595. WEIS. *Crypt. p.* 17. SCOP. *Carn. Ed.* 2. *n.* 1445. HUDS. *Fl. angl. p.* 488. LIGHTF. *Fl. Scot. p.* 1005. HUDS. *Fl. Angl. Ed.* 2. p. 608.

Lichen Segeſtria; farinoſus cinereus rupes operiens. NECK. *Meth. p.* 113.

Lichen cinereus; pulverulentus cinereus, rupes operiens. HAGEN. *Hiſt. Lich. p.* 36. *n.* 3.

Lepra antiquitatis. WIGGER. *Primit. n.* 1037.

Schwarz-graue Staubflechte.

Crey Rock Byſſus. *Anglis.*

Habitat in Europae rupibus, lapidibus.

Cruſta tenuis, atra, maculas in lapidibus efformat quaſi calamo ſcriptorio factas; irregulares, confluentes, in humido nigerrimas, in ſicco nigricantes vel ſubcinereas. Per lentem conſtat verrucis informibus, aggregatis. Var. B. vix niſi aetate differre videtur.

2.

LICHEN FLAVUS.

Tab. I. fig. 4.

Lichen flavus; pulverulentus flavus. SCHREB. *Spicil. p.* 139. *n.* 1145. HAGEN. *Hiſt. Lich. p.* 39. *n.* 5.

Byſſus candelaris; pulverulenta flava, lignis ad naſcens. LINN. *Sp. Pl.* Ed. R. p. 596. WEIS. *Crypt. p.* 15. SCOP. *Carn. Ed.* 2. n. 1446. NECK. *Gallob. p.* 530. POLLICH. *Palat. n.* 1151. LIGHTF. *Fl. Scot. n.* 1005. HUDS. *Fl. Angl. Ed.* 2. p. 608.

Lichen cruſta tenuiſſima flava. HALL. *Hiſt. n.* 2096.

Lichen candelaris; farinaceus flavus. NECK. *Meth. p.* 112.

Li-

Lichen cruſtaceus, arboribus adnaſcens, tenuiſſimus, pulverulentus, pallide luteus, ſeu ochroleucus. MICH. *Gen. p.* 100. *n.* 70.

Lichen cruſtaceus, arboribus adnaſcens, tenuiſſimus, pulverulentus, aureus, colore elegantiſſimo, et immutabili. MICH. *Gen. p.* 100. *n.* 69.

Lichen cruſtaceus, ſaxatilis, tenuiori ſubſtantia, neque rimoſus, neque verrucoſus, pulverulentus, citrini coloris. MICH. *Gen. p.* 100. *n.* 64.

Byſſus pulverulenta flava. DILL. *Hiſt. muſc. p.* 3. *Tab.* 1. *f.* 4.

Lepra candellaria. WIGGER. *Primit. n.* 1039.

Gelbe Staubflechte.

Yellow Powder Byſſus. *Anglis.*

Habitat in cortice arborum, lignis putridis, et rupibus, per omnes quatuor mundi plagas.

Cruſta tenuiſſima, flava aut ſulphurea, late obducit ligna, trabes, ſepimenta, vento et aeri humido expoſita. In rupibus cruſta craſſior, coloris citrini. Per lentem conſtat glebulis ſubrotundis vel ovatis, ſimplicibus vel aggregatis (a), ſubhirſutis (b), ſenſim in pulverem flaviſſimum fatiſcentibus. Variat colore ochroleuco, fulvo, demum vireſcente. Colorem flavum intra chartam ſervatus Lichen, quam diutiſſime retinet.

3.

LICHEN LUTESCENS.

Lichen luteſcens; pulverulentus, verrucoſus, ſulphureus.

Lichen verrucoſus, cinereus, orbiculis villoſis flaveſcentibus. HALL. *Hiſt. n.* 2087. ?

Lichen cruſtaceus, arboribus adnaſcens, farinaceus, verrucoſus, et non rimoſus luteus. MICH. *Gen. p.* 99. *n.* 61.

Lepra luteſcens.

Blaſsgelbe Staubflechte.

Habitat in arborum cortice. Saepius cum L. faginei varietate C. occurrit.

Cruſta inaequalis, verrucoſa: verrucis ſubrotundis, nunc majoribus nunc minoribus, farina luteſcente, vel pallide ſulphurea adſperſis; demum confluentibus in cruſtam uniformem, rimoſam. Color luteſcens, deterſa farina fit albidus.

4.

LICHEN VARIEGATUS.

Lichen variegatus; pulverulentus, cruſta rubro & albo colore variegata. HAGEN. *Hiſt. Lich. p.* 41. *n.* 8. *Tab.* 1. *f.* 1.

Lepra variegata.

Fleiſchfarbige Staubflechte.

Habitat in ſepibus putritis, inter L. botryoidem.

Occupat ſemper in aſſeribus locos depreſſiores & in linea recta longe aliquoties protenditur. Eminus carneus apparet, propius vero, ſi adſpiciatur, ex albo et carneo colore variegatum eſſe, liquet. Nunquam ſuperficie gaudet laevi, ſed ſemper impreſſionibus perquam numeroſis exaratus deprehenditur. HAGEN. *l. c.*

5.

LICHEN RUBENS.

Tab. I. fig. 5.

Lichen rubens; pulverulentus ruber.

Lichen cruſta cinnabarina. HALL. *Hiſt. n.* 2098.

Byſſus pulverulenta rubens inodora. WEIG. *Obſ. p.* 44. REICHARD. *Fl. Francof.* n. 883.

Lichen croceus; pulverulentus croceus. SCHREB. *Spicil. p.* 139. *n.* 1146.

Lichen cinnabarinus; pulverulentus, cruſta glebuloſa cinnabarina. HAGEN. *Hiſt. Lich. p.* 41. *n.* 7.

Lepra rubens.

Zinnoberrothe Staubflechte.

Habitat in cortice arborum.

B.

Lepra odorata; arborea, colore miniato, fugaci. WIGGER *Primit. n.* 1040.

Lichen laete purpûreus, latiſſimis cruſtis et tenuiſſimis HALL. *Hiſt. n.* 2099.

Riechende Staubflechte.

Habitat. in aſſeribus putridis.

C.

Lepra putredinis; tenuiſſima purpurea. WIGGER. *Primit. n.* 1041.

Lichen omnium tenuiſſimus, late ſparſus, laete purpuraſcens. HALL. *Hiſt. n.* 2100.

Habitat in fungis putreſcentibus et lignis putridis.

Cruſta pulverulenta, late ſparſa, nunc craſſior, nunc tenuior; colore purpureo, cinnabarino, aurantiaco. Humectata in recenti odorem ſaepe ſpargit radicis Iridis admodum ſimilem, annoſior vero cum colore ut plurimum amittit odorem. Per lentem conſtat glebulis ſubpellucidis; lapidis granati fere coloris, eleganter rubris vel purpureis, einereis aliis intermixtis; concatenatis (b) vel etiam in glomerulos acervatis (a), ſubhirſutis. In var. B. cruſta colore fugaci, demum cineraſcente, odore aqua iterum excitando. In var. C. cruſta tenuiſſima inodora, laete purpuraſcens, colore perſiſtente.

6.

LICHEN ROSEUS.

Lichen roſeus; pulverulentus conglomeratus, roſeus. SCHREB. *Spicil. p.* 140. *n.* 1150.

Lepra roſea.

Roſenfarbigte Staubflechte.

Habitat in cortice Tiliarum annoſarum.

Glebulae parvae, rotundae aut irregulares, pulcherrimae, figura et colore floris cobalti, (qualis quarzo inſperſus in fodinis ſubinde occurrit) pulverulentae: moleculis ejusdem formae ac pulveris ſaepe e lichenibus effloreſcentis. SCHREB. *l. c.*

7.
LICHEN BOTRYOIDES.

Tab. I. fig. 2.

Lichen botryoides; pulverulentus viridis. HAGEN. *Hiſt. Lich. p.* 40. *n* 6.

Byſſus botryoides; pulverulenta viridis. LINN. *Sp. Pl. Ed. R.* p. 596. WEIG. *Pom. n.* 786. NECK. *Galloб. p.* 530. WEIS. *Crypt. p.* 15. POLLICH. *Palat. n.* 1152. LIGHTF. *Fl. Scot. p.* 1006. HUDS. *Fl. Angl. Ed.* 2. p. 608.

Lichen cruſtaceus, verrucoſus viridis. HALL. *Hiſt. n.* 2089.

Tremella botryoides; pulverulenta viridis. SCHREB. *Spicil. p.* 141. *n.* 1153.

Lichen botryoides; farinoſus viridis. NECK. *Meth. p.* 111.

Lichen cruſtaceus, ſaxatilis, ex verrucis minutiſſimis, multifidis atque viridibus veluti conflatus, ſeminibus luteis, receptaculis florum concoloribus. MICH. *Gen. p.* 98. *n.* 49. ?

Byſſus botryoides ſaturate virens. RAI. *Angl.* 3. *p.* 56. DILL. *Hiſt. muſc. p.* 3. *Tab.* 1. *f.* 5.

Lepra botryoides. WIGGER. *Primit. n.* 1042.

Grüne körnigte Staubflechte.

Creen Cluſter Byſſus. *Anglis.*

Habitat in locis umbroſis humidis, ligno putreſcente.

Cruſta pulverulenta, granulata, in glomerulos aggregata, lapides et terram obducit colore viridiſſimo, in flavum ſaepius vergente. In humido cruſta ſubaequalis; in ſicco in areolas polygonas (a), ſeu rimas fiſſa. Per lentem conſtat glebulis cohaerentibus (b), vel acervatiſa, inaequalibus, gelatinoſis, ſemipellucidis, viridibus; polline flaveſcente, pellucido, conſperſis. Cruſta demum in informem maſſam gelatinoſam, rufeſcentem abit. Variat glebulis minoribus, colore vividiore.

8.
LICHEN LACTEUS.
Tab. 1. fig. 3.

Lichen lacteus; pulverulento-cruſtaceus albiſſimus. SCHREB. *Spicil. p.* 139. *n.* 1148. HAGEN. *Hiſt. Lich. p.* 36. *n.* 1.

Byſſus lactea; pulveruleuto-cruſtacea albiſſima. LINN. *Sp. Pl. Ed. R.* p. 597. WEIS. *Crypt. p.* 17. SCOP. *Carn. Ed.* 2. *n.* 1444. POLLICH. *Palat. n.* 1153. LIGHTF. *Fl. Scot. p.* 1007. HVDS. *Fl. Angl. Ed.* 2. *p.* 609.

Lichen farinaceus, mollis, albus, globulis ſphaericis. HALL. *Hiſt. n.* 2093.

Lichen lacteus; cruſtoſo-farinoſus candidus. NECK. *Meth. p.* 113.

Byſſus candidiſſima, calcis inſtar muſcos veſtiens. DILL. *Hiſt. muſc. p.* 2. *Tab.* 1. *f.* 2.

Lepra lactea. WIGGER. *Primit. n.* 1044.

Weiſſe kalchartige Staubflechte.

White-wash Byſſus. *Anglis.*

Habitat in muſcis et arborum cortice.

Cruſta muſcos inveſtiens tenuis, alba, friabilis; conditurae ſachari non abſimilis. In cortice craſſior, mollis, farinacea, alba, calci illitae aemula. Per lentem conſtat globulis ſphaericis, conglomeratis, coadunatis (a), colore ſubcinereo; polline tenui conſperſis. Humectata cruſta ſaepius vireſcit, digitis contrita odorem ſpargens nauſeoſum.

9.
LICHEN INCANUS.
Tab. 1. fig. 6.

Lichen incanus; pulverulentus albus, glebulis rotundatis. SCHREB. *Spicil. p.* 139. *n.* 1147. HAGEN. *Hiſt. Lich.* p. 37. n. 2.

Byſſus incana; pulverulenta incana, farinae inſtar ſtrata. LINN. *Sp. Pl. Ed. R.* p. 596. NECK. *Gallob. p.* 530. WEIS. *Crypt. p.* 16. SCOP. *Carn. Ed.* 2. *n.* 1443. LIGHTF. *Fl. Scot. p.* 1006. HUDS. *Fl. Angl. Ed.* 2. p. 609.

Li-

Lichen farinaceus, mollis, albicans, glebis difformibus. HALL. *Hiſt.* *n.* 2094.

Lichen farinaceus, mollis, albicans, villis efflorescens. HALL. *Hiſt.* *n.* 2092.

Lichen incanus; farinaceus candicans. NECK. *Meth. p.* 112.

Lichen cruſtaceus, ſaxatilis, farinaceus, molliſſimus, cinereo-glaucus, ſeminibus concoloribus repletus. MICH. *Gen.* p. 100. n. 67.

Byſſus pulverulenta incana, farinae inſtar ſtrata. DILL. *Hiſt. muſc.* *p.* 3. *Tab.* 1. *f.* 3.

Lepra incana. WIGGER. *Primit. n.* 1045.

Grau - weiſſe Staubflechte.

Mealy Byſſus. *Anglis.*

Habitat in muſcis, corticibus arborum, terra humida umbroſa.

Cruſta pulverulenta, farinacea, cinereo-albicans, ſaepe flaveſcens, moliſſima, villis effloreſcens. Per lentem conſtat glebulis difformibus (c), ovatis vel oblongis, compreſſis, apice perforatis, pulverem fundentibus rufeſcentem. Ex his aliae ſurgunt glebulae majores (a), margine replicatae, effloreſcentes numeroſis corpuſculis oblongis, adſcendentibus, diffuſis, margine revolutis; polline conſperſis luteſcente, deciduo (b); exinde cruſta ſaepe flaveſcit.

10.
LICHEN FARINOSUS.

Tab. I. fig. 1.

Lichen farinoſus; cruſta pulverulenta, candida.

Lichen farinoſus arboreus candicans. HALL. *Hiſt. n.* 2095. OED. *Enum.* p. 13.

Lichen cruſtaceus, arboribus adnaſcens, neque rimoſus, neque verrucoſus, candidus, pulviſculo concolore adſperſus. MICH. *Gen. p.* 99. *n.* 62. *Tab.* 53. *f.* 4.

Lepra farinoſa.

Mehlichte Staubflechte.

Habitat in cortice arborum.

Cru-

Cruſta tenuis, candida, pulverulenta: pulvere concolore ubique adſperſa, rimoſa inaequalis. Per lentem conſtat glebulis ſubrotundis vel ovatis, aggregatis (a), ſeſſilibus. Glebulae majores apice frequenter dehiſcunt, & pulverem lacteum tenuiſſimum ejaculant (c. d). Sunt & aliae praeſertim circa rimas cruſtae locatae, majores, absque lente diſtinguendae glebulae, acervatim poſitae, ovatae (e), filo tenuiſſimo, araneoſo inter ſe nexae; colore miniato. Per lentem apparent pulvere candido obductae, hoc deterſo demum eleganter miniatae, poro laterali tenui pertuſae (f).

II.
LICHEN TUBERCULOSUS.

Tab. II. fig. I.

A.

Lichen tuberculoſus; pulverulento-cruſtaceus, verrucoſus, ſubcinereus.

Lichen cruſtaceus tenax, verrucoſus, ſubcinereus. HALL. *Hiſt. n.* 2088.? OED. *Enum.* p. 13.

Lepra tuberculoſa.

Hirſch-graue, körnigte Staubflechte.

Habitat in cortice arborum, lignis putridis.

Cruſta tenax, verrucoſa, ſubcinerea: verrucis verſus centrum majoribus, orbiculata; margine cincta tenui, glabro, depreſſo, aliquot lineaslato, e cinereo albicante, cortici tenaciter adhaerente. Tubercula minima, copioſa, verrucis inſidentia, aggregata; colore cervino. Per lentem haec tubercula apparent ſubſtipitata, glabra (a. b.), e cinereo fuſca, baſi ſaepe connata (b), cruſtam reticulatim perforantia. Cavendum ne pro varietate orbiculata L. faginei habeatur, quacum ſaepe promiſcue occurrit, & forſan ſexu tantummodo differt?

12.
LICHEN FERRUGINEUS.

Tab. II. fig. 3.

B.

Lichen ferrugineus; pulverulento-cruſtaceus rimoſus, cinereus.

Lichen cruſtaceus rimoſus, verrucoſus, cinereus. HALL. *Hiſt.* n. 2091? OED. *Enum.* p. 13.

Lepra ferruginea.

Graue Staubflechte.

Habitat in cortice arborum.

Cruſta tenuis, pulverulenta; ſicca ſubcinerea; humida, ferruginea, demum craſſior rimoſa; in areolas angulatas vel ſubrotundas fiſſa. Per lentem conſtat tuberculis ſphaericis, vel ſubrotundis, aggregatis (a), breviſſime ſtipitatis (b); in ſicco ſubcinereis, farina candida conſperſis; in humido ferrugineis vel etiam purpuraſcentibus, fungoſis. Inter haec occurrunt glebulae parvae, ſubrotundae, ſeſſiles, apice dehiſcentes, pulveremque album ſeu flaveſcentem emittentes (a. c.); dein patentes, margine crenato reflexo. Anne prioris varietas?

ORDO II.

LICHENES LEPROSI TUBERCULATI.

LINN. *Syſt. Pl. Ed. R.* 4. *p.* 522.

LICHENES CRUSTACEI.

MICH. *Gen. Ord.* XXXIV.

HERPETES.

HALL. *Hiſt. Ord. IX. p.* 97.

VERRUCARIA.

WIGGER. *Primit.* p. 85.

(*) *Tuberculis cavis, pulvere repletis.*

13.
LICHEN RUGOSUS.

Tab. II. fig. 5.

Lichen rugoſus; leproſus albicans, lineolis ſimplicibus punctisque nigris confertis. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 525. NECK. *Gallob.* p. 501. WEIS. *Crypt. p.* 41. SCHREB *Spicil. p.* 137. *n.* 1141. SCOP. *Carn. Ed.* 2. *n.* 1369. WEIG. *Obſ. p.* 38. *n.* 28 POLLICH. *Palat. n.* 1084. LIGHTF. *Fl. Scot p.* 802. HUDS. *Fl. Angl Ed.* 2. *p.* 524. HAGEN. *Hiſt. Lich. p.* 46. *n.* 12.

Li-

Lichen ſimplicibus lineis & punctis miſtus. HALL. *Hiſt.* *n.* 2079. γ. WEIG. l. c.

Lichen nigerrimus, aſper. HALL. *Hiſt.* *n.* 2083 ?

Lichen rugoſus; albidus: punctis lineolisque aggregatis atris. NECK. *Meth.* *p.* 46.

Lichen cruſtaceus, arboribus adnaſcens, rugoſus, ex cinereo vireſcens, receptaculis florum nigris, exiguis, tumidis. MICH. *Gen.* *p.* 98. *n.* 44.

Lichenoides punctatum & rugoſum nigrum. DILL. *Hiſt.* *muſc.* *p.* 125. *Tab.* 18. *f.* 2.

Verrucaria rugoſa. WIGGER. *Primit.* n. 945.

Runzliche Warzenflechte.

Wrinkled Lichen. *Anglis.*

Habitat in Europae ſylvis, ſupra arborum truncos.

Cruſta tenuis, ſubviridis, vel cinereo-albicans, maculis obducta nigerrimis, transverſalibus, nubecularum in modum expanſis; ſimplicibus vel confluentibus, latitudinis variae; tactu aſperis. Per lentem hae maculae conſtant ex innumeris corpuſculis oblongis, confertis, erectis, obliquis, conos parvos referentibus (a), baſi ſua cruſtae infixis, (ab ea enim abraſa porulos nigricantes relinquunt) vel ſolitariis, vel pluribus connatis (b), apice perforatis, pulveremque tenuiſſimum explodentibus; dein truncatis (b), excavatis. Iunior Lichen maculas transverſales, ſimplices, efformat, lineisque transverſis, (ſaepe a lichene ſcripto intermixto, provenientibus) arctiſſime ad ſe invicem adproximatis apparet compoſitus.

14.

LICHEN SCRIPTUS.

Tab. III. fig. a. a.

A.

Lichen ſcriptus; leproſus albicans, lineolis nigris ramoſis characteriformibus. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 522. NECK. *Gallob.* *p.* 500. WEIS. *Crypt.* *p.* 37. SCHREB. *Spicil.* *p.* 138. *n.* 1142. POLLICH. *Palat.* *n.* 1082. WEB. *Spicil.* *p.* 178. *n.* 227. LIGHTF. *Fl.* *Scot.*

Scot. p. 800. HUDS *Fl. Angl. Ed.* 2. *p.* 523. HAGEN. *Hiſt. Lich p.* 43. *n.* 10.

Lichen bivalvis, de rimis efflorefcens, ater, characteriſticus. HALL. *Hiſt. n.* 2079.

Lichen ſcriptus; cruſtaceus; tuberculis ſeſſilibus, in lineas ordinatis. SCOP. *Carn. Ed.* 2. *n.* 1367.

Lichen cruſtaceus, tartaricus, arboribus adnaſcens, ex ſpadiceo fulvus, receptaculis florum in ſuperficie naſcentibus, nigris, transverſe oblongis, ac varie divarigatis, & non compreſſis. MICH. *Gen. p.* 102 *n.* 11. *Tab.* 56. *f.* 3.

Lichen cruſtaceus, tartaricus, arboribus adnaſcens, ex ſpadiceo fulvus, receptaculis florum ſub cute erumpentibus, nigricantibus, transverſe oblongis, varie divarigatis, & compreſſis. MICH. *Gen. p.* 102. *n.* 10.

Lichen cruſtaceus, tartaricus, corticibus arborum adnaſcens, cinereus, receptaculis florum ſub cute erumpentibus, transverſe oblongis, varie divarigatis, & compreſſis MICH. *Gen.* p. 102. n. 9.

Lichenoides cruſta tenuiſſima, peregrinis veluti litteris inſcripta. RAI. *Syn. p.* 71. DILL. *Hiſt. Muſc. p.* 128. *Tab.* 18. *f.* 1.

Verrucaria ſcripta. WIGGER. *Primit. n.* 944.

Karakteriſtiſche Warzenflechte.

Lettered Lichen. *Anglis.*

Habitat in arborum cortice, praecipue Carpini.

Tab. III. fig. 2. b.

Lichen leproſus albicans, lineolis nigris, ramoſis, tenuioribus.

Habitat in cortice arborum Europae & Americae ſeptentrionalis.

Tab. III. fig. 2. c.

Lichen leproſus ſubviridis, lineolis nigris, longioribus, ſubramoſis.

Habitat in ramulis arborum, praeſertim Fagi.

Tab. III. fig. 2. d.

Lichen leproſus ſubviridis, lineolis nigris, confertis, breviſſimis, ramoſis.

Ha-

Habitat in ramulis arborum juniorum.

Cruſta tenuis, laevis, albicans, cinerea, ex ſpadiceo fulva, ſubviridis. Ex hac cruſta ſubinde prodeunt lineolae nigrae, varie figuratae ac flexae; vel ſimplices, tenuiores, vel ramoſae, craſſiores; curvae, furcatae, anguloſae, laxe cohaerentes; Sinenſium litteris non diſſimiles. Sunt & aliae minores aggregatae, breviſſime ramoſae (var. d); aliae longiores ſubramoſae arctius adproximatae (var. c.). Omnes lineolae ab initio tuberculoſae, convexae, ſubrugoſae; dein medio depreſſae, marginibus tumidis ac compreſſis. Per lentem lineolae apparent in humido tumidae, gelatina ex viridi albeſcente, more ſphaerularum, in ſicco pulvere nigricante, repletae; demum excavatae, ſulcatae (g), cruſta ad latera elevata. Var. b. (ut in ſpecimine ex America adlato video.) differt: cruſta albicante, craſſiori, lineolis tenuiſſimis ramoſiſſimis, aggregatis. Per lentem cruſta apparet rimoſa, lineolae lineares, nitidae.

15.

LICHEN HEBRAICUS.

Tab. III. fig. 2. e.

B.

Lichen hebraicus; leproſus albicans, lineolis nigris, divaricatis.

Lichen hebraicus (var. α. Lich. ſcript.). LIGHTF. *Fl. Scot. p.* 800.

Lichen ſcriptus; cinereo albidus, lineolis characteriformibus divaricatis. NECK. *Meth. p.* 45.?

Verrucaria hebraica.

Rechtwinklichte Warzenflechte.

Habitat in cortice rimoſo Abietum, aliarumque arborum.

Cruſta tenuis, inaequalis, ſubrimoſa albicans. Lineolae atrae, breves, craſſae; vel ſimplices vel divaricatae (h), ad angulum fere rectum diſtantes. Per lentem hae lineolae apparent aterrimae, craſſitie aequali, ſulco longitudinali exaratae, pulvere carbonario farctae.

16.

LICHEN PULICARIS.

Tab. III. fig. 2. f.

C.

Lichen pulicaris; leproſus albicans, lineolis nigris, breviſſimis, ſimplicibus.

Lichen pulicaris (var. β. Lich. Script.). LIGHTF. *Fl. Scot. p.* 801.

Lichen cruſtaceus, tartaricus, arboribus adnaſcens, niger, & veluti deuſtus, receptaculis florum transverſe oblongis, & quaſi reniformibus non intortis, brevibus. MICH. *Gen. p.* 102. *n.* 7. *Tab.* 54. *f.* 2.

Lichen cruſtaceus, tartaricus, arboribus adnaſcens, niger, & veluti deuſtus, receptaculis florum transverſe oblongis, & intortis. MICH *Gen. p.* 102. *n.* 6 ?

Lichen cruſtaceus, tartaricus, corticibus arborum adnaſcens, niger, & veluti deuſtus, receptaculis florum transverſe oblongis, compreſſis. MICH. *Gen. p.* 102. *n.* 8 ?

Lichen cruſtaceus, tartaricus, arboribus adnaſcens, niger, & veluti deuſtus, receptaculis florum rotundis, per ſiccitatem, nonnihil appreſſis & umbilicatis. MICH. *Gen. p.* 102. *n.* 5 ?

Flohförmige Warzenflechte.

Habitat in cortice rimoſo Quercuum & Abietum, promiſcue cum priori.

Cruſta tenuis, inaequalis, ſubrimoſa, e cinereo albicans. Tubercula oblonga vel ſubovata, nigerrima, conferta; pulicis fere magnitudine (i). Per lentem apparent convexa (i), linea transveſali fiſſa, apice attenuata, marginibus prominentibus; vel ſulcata, depreſſa, marginibus intortis. Inter haec alia minora occurrunt tubercula (k) obtuſa, ſubrotunda, coniformia, apice linea tranſverſa inſculpta, cava. Anne prioris forſan varietas?

17.

LICHEN GEOGRAPHICUS.

Tab. III. fig. 1.

Lichen geographicus; leproſus flaveſcens, lineolis nigris mappam referens. LINN. *Syſt. Pl. Ed. R.* 4. p. 523. NECK. *Gallob. p.* 500.

WEIS.

WEIS. *Crypt. p.* 38. SCHREB. *Spicil. p.* 138. *n.* 1143. WEIG. *Obſ. p.* 37. POLLICH. *Palat. p.* 1083. LIGHTF. *Fl. Scot. p.* 801. WEB. *Spicil. p.* 179. HUDS. *Fl. Angl. Ed.* 2. *p* 513. HAGEN. *Hiſt. Lich.* p. 45. *n.* 11.

Lichen atrovirens; leproſus viridis margine tuberculisque atris. LINN. *Sp. Pl. Ed. R. p.* 523? LIGHTH. *Fl. Scot.* p. 801. HUDS. *Fl. Angl. p.* 525.

Lichen Cruſta inſeparabili flava, ſcutellis nigris confluentibus. HALL. *Hiſt. n.* 2063.

Lichen geographicus; flavicundus mappiformis: lineolis ramoſis punctis atris intermixtis. NECK. *Meth. p.* 46.

Lichen Oederi; leproſus, cruſta albo-glaucefcente, rimis in maculas ſubrotundas diviſa, tuberculis atris in lineas curvas diſpoſitis. RETZ. *Fl. Scand. n.* 1322. *Fl. N. n.* 1025. OED. *Fl. Dan. Tab.* 472. *f.* 3?

Lichen punctatus; leproſus cinereo-glauceſcens, ſine ſcutellis, cruſta rimis infinitis diviſa in inſulas totales, & partiales ſubrotundas, partialibus minimis puncto notatis. RETZ. *Fl. Sc. n.* 1335. *Fl. Dan. Tab.* 468. *f.* 2?

Lichen cruſtaceus, ſaxatilis, luteus, receptaculis florum nigris. MICH. *Gen. p.* 97. *n.* 19.

Lichenoides nigro-flavum, tabulae geographicae inſtar pictum. DILL. *Hiſt. muſc. p.* 126. *Tab.* 18. *f.* 5.

Verrucaria geographica. WIGGER. *Primit. n.* 946.

Geographiſche Warzenflechte.

Map Lichen. *Anglis.*

Habitat in Europae rupibus altis.

Cruſta late expanſa, tenuis, atra, pulverulenta, obſita areolis flavis, in humido e luteo vireſcentibus confertis, in varias figuras, triangulares, quadratas, rhombeas, polygonias (a. c) diffectis, lineis punctisque craſſioribus aterrimis, varie percurſis; mappam geographicam referens. Per lentem apparent tubercula atra, ſubrotunda vel oblonga, plana,

na, apice depreſſa (d), pulvere nigro repleta; dein excavata marginata (c); intra areolarum interſectiones vel ſolitarie vel confertim locata (a b). Cruſta junior orbiculatim expanſa (f); aetate fit cinerea poſt fuſca, denique nigra.

18.

LICHEN PERTUSUS.

A

Tab. III. fig. 3.

Lichen pertuſus; leproſus: verrucis ſubteſſelatis laevigatis pertuſis poro uno alterove cylindrico. LINN. *Syſt. Pl. Ed. R.* 4. p. 524. POLLICH. *Palat. n.* 1088. LIGHTF. *Fl. Scot.* p. 802. HUDS. *Fl. Angl. Ed.* 2. p. 525. HAGEN. *Hiſt. Lich.* p. 49. *n.* 17.

Lichen cruſta verrucoſa, areis polygoniis, punctiferis. HALL. *Hiſt. n.* 2083.

Lichen verrucoſus; cruſtaceus cinereus, ſcutellis vireſcentibus. HUDS. *Angl. Ed.* 1. p. 445.

Lichen carpineus; cinereus: tuberculis pertuſis confertis. NECK. *Meth.* p. 47. *Ejusd. Gallob.* p. 501.

Sphaeria pertuſa; ſubcompoſita aggregata irregularis perforata vireſcens. WEIG. *Obſ.* p. 46. *Tab. II. f.* 15. WEBER. *Spicil.* p. 282. WIGGER. *Primit.* n. 933.

Lichenoides cruſtaceum, arboribus adnaſcens, tenuiſſimum, ex cinereo rufum, capſulis majoribus & rarioribus. MICH. *Gen.* p. 105. *Tab.* 56. *f.* 1.

Lichen cruſtaceus, verrucoſus, alpinus, arboribus adnaſcens, cinereus, receptaculis florum rufeſcentibus. MICH. *Gen. p.* 95. *Ord.* 32. *Tab.* 52. ?

Lichenoides verrucoſum et rugoſum, cinereum glabrum. DILL. *Hiſt. muſc.* p. 128. *Tab.* 18. *f.* 9.

Verrucaria pertuſa.

Durchſtochene Warzenflechte.

Porous Warty Lichen. *Anglis.*

Habitat in cortice arborum et ſaxis Europae.

A.

B.

Tab. III. fig. 4.

Lichen cruſta tenui, albicante, verrucis planis, polygoniis, tenuiſſime punctatis.

Habitat in cortice arborum Europae.

C.

Lichen cruſta cineraſcente, ſcabra, quaſi calce obducta, tuberculis perparum eminentibus, numeroſis, omnibus minutiſſime pertuſis. HAGEN. *Hiſt. Lich. p.* 50. *Tab.* 1. *f.* 3.

Habitat in ſaxis Europae.

Cruſta tenuis, albicans; recens cinereo-vireſcens, ſubrugoſa. Verrucae copioſae, confertae, glabrae, inaequales concolores; ſubſtantia tenaci, coriacea; vel ſimplices globoſae (b), poro uno alterove, vel confluentes (c), pluribus punctis quaſi acicula pertuſae. Per lentem diſſectae verrucae, conſtant cavernulis ſeu ſacculis dilute fuſcis, poris reſpondentibus, pulvere ſaepe repletis; iisque demum expanſis, nigris, margine undulatis (a). In rupibus verrucae duriſſimae & fragiles. Occurrunt etiam verrucae colore pallido, integerrimae, nullo pertuſae poro, polline efflorescentes. Var. B. differt cruſta tenuiſſima, aequali, ex cinereo albicante, in areolas polygonias, teſſelatas, diviſa; areolis poro uno alterove tenuiſſimo perforatis, per lentem ſubrotundis (a). An junior Lichen pertuſus?

19.

LICHEN COLLICULOSUS.

Tab. II. fig. 2.

Lichen colliculoſus; leproſus cinereo-vireſcens, tuberculis albis.

Lichen cruſta colliculoſa nigricante. HALL. *Hiſt. n.* 2068.

Verrucaria colliculoſa.

Klein körnichte Warzenflechte.

Habitat in arborum truncis, praeſertim Carpini cortice pütreſcente.

Cruſta tenuis, inaequalis; recens cinereo-vireſcens; ſicca ex viridi nigricans, absque epidermide corticis vix ſeparanda; tuberculis

numeris, minimis, albiſſimis obſita, per lentem ſubrotundis vel oblongis, ſuperius incraſſatis, ſubhirſutis; polline candicante adſperſis (a. b.); ex apice aliis pulverem tenuiſſimum (c) albidum, vel filum tenue, materie compacta, albida, ac (e) varie flexum, duriuſculum & fragile emittentibus; aliisve truncatis (d), gelatina ruſeſcente repletis.

20.
LICHEN VIRIDULUS.
Tab. II. fig. 6.

Lichen viridulus; leproſus, tuberculis hemiſphaericis viridibus.

Lichen cruſta tenerrima, ſcutellis hemisphaericis, viridibus. HALL. *Hiſt. n.* 2067. OED. *Enum. p.* 43.

Verrucaria viridula.

Grünlichte Warzenflechte.

Habitat in ligno putreſcente.

Cruſta tenerrima, farinoſa, cinereo-vireſcens. Tubercula minima, hemisphaerica, conferta. Per lentem conſtat cruſta glebulis minutiſſimis, ſubovatis, connatis, ſerie ut plurimum longitudinali, in modum fibrarum lignearum quibus inſident, locatis; tubercula apparent nitentia minutiſſimis granulis ex viridi flaveſcentibus, pellucidis, deciduis adſperſa (a); dein cortice rupto, villis numeroſis, vireſcentibus (c. b.), granulatis, cohaerentibus (d) effloreſcentia (c); demum cava ſcutellis ſimilia (b).

21.
LICHEN FAGINEUS.
Tab. II. fig. 4.

A.

Lichen fagineus; leproſus albus, tuberculis albis farinaceis. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 526. NECK. *Gallob.* p. 502. WEIS. *Crypt. p.* 43. POLLICH. *Palat. n.* 1091. LIGHTF. *Fl. Scot. p.* 807. HUDS. *Fl. Angl. p.* 526. HAGEN. *Hiſt. Lich. p.* 52. *n.* 21.

Lichen cruſta tenuiſſima, ſcutellis hemiſphaericis, albo polline effloreſcentibus. HALL. *Hiſt. n.* 2071.

Li-

Lichen cruſta orbiculata, diſco albo cineraſcente, tuberculis ſcutellisve ſubrotundis, tuberculatis, ambitu obſcuriore: margine extimo cinereo. SCHREB. *Spicil. p.* 135. *n.* 1136. (*var.* 2.)

Lichen fagineus; cruſtaceus albus; tuberculis ſeſſilibus, farinaceis. SCOP. *Carn. Ed.* 2. *n.* 1371.

Lichen cruſta laevi in cinereum colorem tranſeunte, tuberculis paucis, magnitudine fere ervorum, rotundis, totis farinaceis. HAGEN. *Hiſt. Lich.* p. 53. *n.* 21. (*var.* α.)

B.

Tab. VII. fig. 2.

Lichen orbiculatūs; cruſtaceus albicans, tuberculis albis farinaceis. SCHREB. *Spicil.* p. 135. *n.* 1136.

Lichen cruſta orbiculata, diſco plumbeo rugoſo granoſoque ambitu pallidiore margine extimo cinereo, tuberculis nullis. SCHREB. *l. c.* (*var.* 1.) DILL. *Hiſt. muſc. p.* 131. t. 18. f. 11. C.

Lichen Carpineus. LIGHTF. *Fl. Scot. p.* 807. (grey orbicular Lichen.)

Lichen cruſta fere nulla, tuberculis parum eminentibus, planis, angulofis, farinaceis, ad ſimilitudinem variolarum ſubconfluentium accedentibus. HAGEN. *Hiſt. Lich. p.* 52. (*var.* β.)

C.

Tab. VII. fig. 5. a.

Lichen albeſcens; cruſtaceus cinereus, ſcutellis concavis, farinaceis, albidis. HUDS. *Fl. Angl. p.* 529.

Lichen verrucoſus, cruſtaceus, albus, orbiculis villoſis concoloribus. HALL. *Hiſt. n.* 2086.

Lichen ſcutellis tuberculisque in pollinem album fatiſcentibus. SCHREB. *l. c.* (*var.* 3.) DILL. *Hiſt. muſc. Tab* 18. *f.* 11 A. B.

Lichen fagineus; albicans: ſcutellis concoloribus difformibus. NECK. *Meth. p.* 50.

Lichen ſcaber. SCOP. *Carn. Ed.* 2. *n.* 1376?

Lichen cruſta nulla, undique tota tuberculoſa, minoribus & majoribus, farinaceis & non farinaceis tuberculis. HAGEN. *Hiſt. Lich.* l. c. (*var.* γ.)

Lichen cruſtaceus, arboribus adnaſcens, farinaceus, albus, ſuperficie in acetabulis pulverulentis veluti effloreſcente. MICH. *Gen.* p. 99. *Tab.* 53. f. 1.

Lichen cruſtaceus, arboribus adnaſcens, farinaceus, ſubcinereus, ſuperficie in acetabulis minoribus, pulverulentis veluti effloreſcente. MICH. *Gen. p.* 99. *Tab.* 53. f. 2.

Lichenoides candidum & farinaceum ſcutellis fere planis. DILL. *Hiſt. muſc.* p. 131. *Tab.* 18. f. 11.

D.

Tab VII. fig. 5. b.

Lichen orbiculis poſt pollinis caſum calvis, cavis. SCHREB. *Spicil.* l. c. (*var.* 4.) DILL. *Hiſt. muſc. Tab.* 18. f. 11. D.

Verrucaria faginea. WIGGER. *Primit. n.* 952.

Weiſſe Warzenflechte.

Mealy Beech Lichen. *Anglis.*

Habitat in arboribus variis, & ſaxis Europae.

Cruſta primum tenuis, ſubrugoſa: rugis elevatis verſus centrum radiantibus, orbiculata: margine cincta bicolori, repando; exteriori ex glauco coeruleſcente, vel etiam cinereo, anguſtiſſimo, ſubtiliſſime fimbriato; interiori glabro, colore plumbeo, alia ſaepe zona dilutioris coloris cincto, diſco granulato; tuberculis in medio nullis vel parum eminentibus; dein ſenſim expanſa cruſta, margineque oblitterato, rugae eminent, craſſiores fiunt, rumpuntur, & pulvere albo effloreſcunt (Tab. II. F. 4. a. b). In aliis tubercula ſubrotunda, glabra, rugoſa, cuticula rupta formam adhuc obtinent hemisphaericam (Tab. II. f. 4. c. d), & pulverem ſpargunt tenuiſſimum, album; quo delapſo ſcutellae remanent membranaceae, difformes (Tab. VII. f. 5. d.), orbiculatae, oblongae, ovatae, a mutua preſſione ſaepe angulatae; demum concavae, glabrae, tenaces (Tab. VII f. 5. c.), cinereae; cruſta tum valde rimoſa inaequali, cinerea. Occurrit non raro varietas hujus lichenis ſcu-

ſcutellis minutiſſimis, oblitteratis, adpreſſis, farinaceis; contritis intra digitos viridibus; odore nauſeoſo ut in L. lacteo.

(**) *Tuberculis ſolidis, terreo-granoſis.*

22.

LICHEN BETULINUS.

Lichen betulinus; lepɼoſus albus, tuberculo centrali concolori. HUDS *Fl. Angl. Ed.* 2. p. 525.

Verrucaria betulina.

Weiſſe einhügelichte Warzenflechte.

Birch Lichen. *Anglis.*

Habitat in truncis & ramis Betulae.

Cruſta ſemuncialis diametro, orbicularis, alba, tenax, fibroſa. Tuberculum ſolitarium, centrale, hemisphaericum, album, magnitudine fere ſeminis cannabis. HUDS. l. c.

23.

LICHEN CANDIDUS.

Tab. IV. fig. 6.

Lichen candidus; leproſus albus, tuberculis candidis, hemisphaericis.

Lichen lacteus; leproſus albus, tuberculis concoloribus hemisphaericis LINN. *Syſt. Pl. Ed. R.* 4. *p.* 524. OED. *Enum. p.* 29. LEERS. *Herb. n.* 924. POLLICH. *Palat. n.* 1090. HUDS. *Fl. Angl. Ed.* 2. *p.* 526.

Lichen cruſtaceus, ſaxatilis, farinaceus, albus, globulis minutiſſimis undique refertus. MICH. *Gen. p.* 99. *n.* 56.

Verrucaria candida.

Halbkugelförmige Warzenflechte.

White Lichen. *Anglis.*

Habitat in Europae rupibus & ſaxis.

Cruſta calcarea, mediocriter craſſa, lactea, orbiculata, margine ſtriata; dein late expanſa, margine evaneſcente. Tubercula numeroſa candida; majora hemiſphaerica albo pulvere effloreſcentia; minora conferta, ſubrotunda. Per lentem apparent priora intra cruſtam rimo-

ſam ſeſſilia, pulvere albo conſperſa (a. b.), alia conferta, minora, ſubrotunda (c), alia ſubſtipitata apice depreſſa (d e.). Aetate cruſta fit ſordide alba, veſtigiis tuberculorum adhuc conſpicuis.

24.

LICHEN CINEREUS.

Tab. IV. fig. 3.

Lichen cinereus; leproſus cinereus, rimoſus; tuberculis minutiſſimis nigris.

Lichen cinereus; leproſus tuberculis nigris albo-marginatis. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 526? OED. *Enum. p.* 293. LEERS. *Herb. n.* 935. HUDS. *Fl. Angl. Ed.* 2. *p.* 525.

Lichen cruſta inſeparabili, reticulata, cinerea, ſcutellis nigris minutiſſimis. HALL. *Hiſt. n.* 2059.

Lichen cruſtaceus, ſaxatilis, farinaceus, cinereus, receptaculis florum nigris, perexiguis. MICH. *Gen. Pl. p.* 103. *n.* 19?

Verrucaria cinerea.

Graue Warzenflechte.

Grey Lichen. *Anglis.*

Habitat in Europae rupibus.

Cruſta cinerea aut ſordide alba, rimoſa; rimis angulatis minutiſſimis; late expanſa. Tubercula puncta minuta, nigra. Margo cruſtae pulverulentus, niger eſt. Per lentem apparent areolae irregulares, quibus tubercula ſubrotunda (a) in humido fuſca, in ſicco nigra, vel foveolae excavatae (b) innaſcuntur.

25.

LICHEN FUSCO-ATER.

Lichen fuſco-ater; leproſus fuſcus, tuberculis atris, LINN. *Syſt. Pl. Ed. R.* 4. p. 525. WEIS. *Crypt. p.* 39. SCHREB. *Spicil p.* 136. *n.* 1138. LIHTF. *Fl. Scot. p.* 804. HUDS. *Fl. Angl. Ed.* 2. *p.* 524, HAGEN. *Hiſt. Lich. p.* 48. *n.* 16.

Lichen fuſcoater; fuſcus, tuberculis atris. NECK. *Meth. p.* 49.

Lichen cruſta farinacea inſeparabili cinerea, ſcutis nigerrimis. HALL. *Hiſt. n.* 2062.

Ver-

Verrucaria fuſco-atra.

Braunſchwarze Warzenflechte.

Black-nobb'd fuſcous Lichen. *Anglis.*

Habitat in Europae rupibus.

Late aliquando obducit lapides cruſta fuſca, tenuiſſima, plerumque rotunda, cui copioſa et, reſpectu Lichenis praecedentis (hemisphaerici) minutiſſima inſident tubercula nigra. HAGEN. l. c. Cruſta ad Lichenem antiquitatis, tubercula vero ad rupeſtrem pertinere videntur.

26.

LICHEN NIGER.

Tab. III. fig. 6.

Lichen niger; leproſus, ater, tuberculis ſubrotundis concoloribus. *Supplement. Pl.* p. 449.

Lichen niger; leproſus niger, tuberculis concoloribus. HUDS. *Fl. Angl. Ed.* 2. *p.* 524.

Lichen cruſta continua, aterrima, globulis ſubrotundis. HALL. *Hiſt. n.* 2084.

Lichen fuſco-ater. POLLICH. *Palat. n.* 1086. (quoad deſcriptionem).

Verrucaria nigra.

Schwarze Warzenflechte.

Black Lichen. *Anglis.*

Habitat in rupibus terra.

Cruſta ſatis craſſa, granulata, latiſſime expanſa; ſicca nigra, humida aterrima, pulvinata, tremelloſa, pannum ſericeum referens; margo cruſtae depreſſior diſco Tubercula convexa atra; magnitudine ſeminis ſinapis. Per lentem conſtat cruſta glebulis minimis, ſubovatis (a), ſubſtantia tremelloſa, nigris. Scutellae per leatem minimae, excavatae (a), nigricantes; demum convexae, majores, tuberculoſae.

27.

LICHEN RUPICOLA.

Tab. VI. fig. 3.

Lichen rupicola; leproſus albidus, tuberculis albidis, ſpiraliter marginatis;

Lichen

Lichen rupicola; leproſus albidus, tuberculis pallidis, albo marginatis. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 524? LEERS. *Herb. n.* 925. LIGHTF. *Fl. Scot. p.* 806. HUDS. *Fl. Angl. Ed.* 2. *p.* 525.

Lichen cruſta tartarea, albiſſima, ſcutellis nigris, marginatis. HALL. *Hiſt. n.* 2060? OED. *Enum. p.* 43.

Verrucaria rupicola.

Weiſſe gewundene Warzenflechte.

Pale Rock Lichen. *Anglis.*

Habitat in Europae rupibus & ſaxis, frequenter cum praecedenti.

Cruſta lactea, tenuis, ex orbiculis conflata irregularibus, confertis; nunc ſimplicibus, nunc confluentibus, depreſſis, planis; in humido ex glauco vireſcentibus, marginatis: margine albo, ſpiraliter contorto; interiori eminente; diſco nigro excavato (a. b), in humido convexo, ſaepe oblitterato, tuberculis complanatis. Aliam legi varietatem, cruſta albida, rimoſa: rimulis minutiſſimis punctis pertuſis. Tubercula irregularia marginata: margine undulato, albido; diſco cervino. Anne aetate ita mutetur, aut L. pertuſo praeſertim var. C adfinis ſit adhuc ignoro.

28.

LICHEN IMMERSUS.

Tab. III. fig. 5.

Lichen immerſus; leproſus, tuberculis immerſis.

Lichen immerſus. WEB. *Spicil. p.* 188. *n.* 245.

Lichen ſcutis in ſaxum immerſis, nigris. HALL. *Hiſt. n.* 2076.

Lichen cruſtaceus cinereus, ſcutellis immerſis atris. SCOP. *Carn. Ed.* 1. *p.* 85. *var.* (c)

Lichen cruſtaceus, ſaxatilis, farinaceus, ex albo ſubcinereus, receptaculis florum exiguis, concavis, & nigricantibus, ac in ſubſtantia plantae veluti infixis. MICH. *Gen. p.* 97. *n.* 21.

Lichen cruſtaceus, ſaxatilis, farinaceus, verrucoſus, cinereus, receptaculis florum exiguis, concavis, et nigricantibus ac in ſubſtantia plantae veluti infixis. MICH. *Gen. p.* 97. *n.* 22.

Verrucaria immerſa.

Ein-

Eingeſenkte Warzenflechte.

Habitat in Europae rupibus, praeſertim calcareis.

Cruſta tenuis, albicans, cinerea, etiam viridefcens. Tubercula atra minuta, aequali fere magnitudine; lapidi immerſa, primum plana, dein convexa, eaque ex lapide elapſa foveolas profundas, ſubrotundas relinquunt (a). Saepiſſime Lichene antiquitatis obducitur ejusque colore obfuſcatur. Sequentes adhuc enumerat varietates Ill. Scopoli:

1.

Lichen cruſtaceus albicans, ſcutellis luteis immerſis concavis. SCOP. *Fl. Carn. Ed.* 1. *p.* 84. *var.* (a).

Lichen ſcutellis flavis, ſaxo immerſis. HALL. *Hiſt. n.* 2078?

2.

Lichen cruſtaceus cinereus, ſcutellis immerſis rubris. SCOP. l. c. *p.* 85. *var.* (b).

Lichen ſubrubellus minimus, ſcutellis in ſaxum immerſis. HALL. *Hiſt. n.* 2077.

3.

Lichen cruſtaceus carneus, ſcutellis immerſis atris. SCOP. *l. c. p.* 85. (d).

4.

Lichen cruſtaceus albus, ſcutellis immerſis albis. SCOP. *l. c. p.* 85. (e).

5.

Lichen cruſtaceus caeruleus, ſcutellis immerſis. SCOP. *l. c. p.* 85. *var.* (f).

29.

LICHEN RUPESTRIS.

Lichen rupeſtris; tuberculis ſeſſilibus nudis. SCOP. *Carn. Ed.* 2. *n.* 1372. WEB. *Spicil. p.* 190. *n.* 247. HAGEN. *Hiſt. Lich. p.* 51. *n.* 19.

Lichen fuſcoater (*var.* β. cruſta fere nulla). HAGEN. *l. c. p.* 49.

A.

Lichen tuberculis nudis, ſeſſilibus, luteis. WEB. *Spicil. p.* 191. (*var.* α.).

Lichen cruſtaceus, ſaxatilis, cinereus, cruſta tenuiſſima, receptaculis florum exiguis, luteis. MICH. *Gen. p.* 98. *n.* 39.

B.

Lichen tuberculis nudis, ſeſſilibus, rubicundis. WEB. *l. c.* (*var.* β.)

Lichen cruſta alba, tuberculis rufis. SCOP. *l. c.* (*var.* 1.)

Lichen cruſtaceus, ſaxatilis, glaucus, tenuiſſimus, receptaculis florum exiguis, carneis. MICH. *Gen. p.* 97. *n.* 26?

C.

Lichen tuberculis nudis, ſeſſilibus, nigris. WEB. *l. c.* (*var.* γ.)

Lichen cruſta albida, tuberculis nigris. SCOP. *l. c.* (*var.* 2.)

Lichen cruſta cinerea. HAGEN. *l. c.* (*var.* α.)

Verrucaria rupeſtris. WIGGER. *Primit. n.* 951.

Einfache Warzenflechte.

Habitat in Europae rupibus, ſaepe cum Lichene antiquitatis.

Cruſta vix conſpicua, aut nulla. Tubercula admodum ſeſſilia, parva, glabra, convexa, ſparſa utplurimum, interdum confluentia. WEB. *l. c.*

30.

LICHEN OEDERI.

A.

Lichen Oederi; leproſus ruber, tuberculis nigris. WEB. *Spicil. p.* 182. *n.* 230. OED. *Dan. Faſc.* VIII. *Tab.* 470. *f.* 1. LINN. *Meth. muſc.* (*in Act. Med. ſvec. T.* 1.) *p.* 199.

Lichen Koenigii; leproſus ruber, tuberculis nigris. RETZ. *Prodr. Fl. Scand. n.* 1334. *Fl. N. n.* 1020.

B.

Lichen cruſta ex rubro & luteo mixta. WEB. *Spicil. p.* 183. (*var.* β).

C.

Lichen cruſta ad colorem croci martis accedente. WEB. *l. c.* (*var.* γ.)

Verrucaria Oederi.

Rothe Warzenflechte.

Habitat in Europae rupibus.

Cruſta tartarea, craſſiuſcula, ſicca admodum rimoſa. Tubercula copioſa, cruſtae innata, atra, humida maxime convexa, elevata, & ſplen-

ſplendentia, ſicca planiuſcula, absque ſplendore, per lentem minuto margine cincta. Cruſtae color variat, ſemper tamen aliquatenus ad rubrum tendit. WEB. *l. c.*

31.

LICHEN GRANIFORMIS.

Lichen graniformis; leproſus: cruſta albeſcente, granulata: tuberculis atris. HAGEN. *Hiſt. Lich. p.* 47. *n.* 13. *Tab.* 1. *f.* 2.

Verrucaria graniformis,

Körnichte Warzenflechte.

Habitat in aſſeribus putridis.

Cruſta veluti eſt calcarea, ex minutis glomerulis compoſita, qui plerumque, dum in modum fibrarum lignearum, quibus inſident, ordinati ſunt, lineas formant. Inter haec granula pollinem antherarum magnitudine aequantia, hinc & inde tubercula parum majora & atra prominent. HAGEN. *l. c.*

32.

LICHEN HEMISPHAERICUS.

Lichen hemiſphaericus; leproſus, luteſcens, tuberculis immerſis atris politis. HAGEN. *Hiſt. Lich. p.* 48. *n.* 15.

Verrucaria hemiſphaerica.

Halbkuglichte Warzenflechte.

Habitat in cortice arborum.

Cruſta lutea laevigata tenuis, ex qua hinc & inde ſine ordine tuberculi globuloſi quaſi erumpere & cruſtam ad latera elevare videntur, ut tantummodo hemiſphaerae atrae politae viſui pateant. HAGEN. *l. c.*

33.

LICHEN SANGUINARIUS.

Tab. V. fig. 3.

Lichen ſanguinarius; leproſus cinereo-vireſcens, tuberculis atris. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 525. NECK. *Gallob. p.* 501. SCHREB. *Spicil. p.* 137. *n.* 1140. POLLICH. *Palat. n.* 1085.

LIGHTF. *Fl. Scot. p.* 803. HUDS. *Fl. Angl. Ed.* 2. *p.* 524. HAGEN. *Hiſt. Lich. p.* 47. *n.* 14.

Lichen cruſta farinacea, vireſcente, ſcutellis atris. HALL. *Hiſt n.* 2065.

Lichen cruſta verrucoſa, cinerea, ſcutellis nigerrimis, planis. HALL. *Hiſt. n.* 2066.

Lichen ſanguinarius; albidovireſcens tuberculis nigris. NECK. *Meth. p.* 48.

Lichen rugoſus. WEIS. *Crypt. p.* 49. (*var. β.*)

Sphaeria lichenoides. WEIG. *Obſ. p.* 44. *n.* 5.

Lichen limitatus. SCOP. *Carn. Ed.* 2. *n.* 1370.

Lichen punctatus. SCOP. *Carn. Ed.* 2. *n.* 1374.

Lichen cruſtaceus, ſubvireſcens; margine ſinuato nigro: tuberculis glabris, ſeſſilibus convexis atris. SCOP. *Fl. Carn. Ed.* I. *p.* 80. *n.* 13.

Lichen cruſtaceus, arboribus adnaſcens, griſeus, in longam & transverſalem lineam, veluti excurrens, receptaculis florum tuberculoſis, nigris & tumentibus. MICH. *Gen. p.* 98. *n.* 34.

Lichen cruſtaceus, arboribus adnaſcens, cruſta tenuiori, cinereo-vireſcens, receptaculis florum nigris et tumentibus. MICH. *Gen. p.* 98. *n.* 35.

Lichenoides leproſum, cruſta cinereo-vireſcente, tuberculis nigerrimis. DILL. *Hiſt. muſc. p.* 126. *Tab.* 18. *f.* 3.

Verrucaria ſanguinaria.

Schwartze kuglichte warzenflechte.

Black knobb'd Lichen. *Anglis.*

Habitat in cortice arborum, ligno putrido & lapidibus.

B

Tab. V. fig. 4.

Lichen leproſus albicans, tuberculis glaucis, demum erumpentibus atris.

Lichen cruſtaceus, ſcutellis ſeſſilibus nudis, convexis atris. SCOP. *Carn. Ed.* I *p.* 83. *n.* 18. (*var.* b.)?

Habitat in Europae rupibus.

C

C.

Tab. V. fig. 5.

Lichen leproſus, tuberculis nigerrimis planis, lineis repandis atris.

Habitat in Europae rupibus.

D.

Lichen cruſta nulla, tubercula parva, copioſa, marginata, plana, in humido obſcure ſanguinea; diſſecta alba, diſco excedente.

Habitat in Europae rupibus.

Cruſta in cortice tenuis, farinoſa, cinereo-vireſcens vel cinerea; per lentem ſubrimoſa glebulis minutiſſimis compoſita (a); linea marginali nigra, repanda, transverſali ſepta; lineolis non raro aliis minoribus in areolas ſubdiviſa. Tubercula ab initio verae ſunt ſcutellae (c) nigrae, margine concolore tumido cincta; deinde majora convexa, carne nigreſcente nucleum ferrugineum continente, repleta; in humido hemisphaerica in ſicco depreſſa, margine exili, tenui cincta; demum ſubrotunda, tuberculoſa, margine obſoleto (b). In ligno putreſcente vel terra, cruſta craſſior, verrucoſa, rimoſa, obſcure viridis. Tubercula media hemisphaerica, copioſa. In rupibus cruſta tenuis, albicans vel cinerea, rugoſa, decidua. Tubercula ſparſa, ſolitaria, pulvinata, disfracta intus obſcure ſanguinea, nigra; linea marginalis nulla. In var. B. cruſta albida, craſſior, in areolas polygonias, ſeu rimas fiſſa. Tubercula ſatis magna, pellicula quaſi glauca obducta; demum prorumpentia, atra, nuda; ab initio marginata (a). In var. C. cruſta fere nulla, areolae cinereae, lineolis nigris varie flexis circumſeptae; ſingula areola plurimis tuberculis nigris depreſſis marginatis (b), demum convexis obſita (a). In var. D. tubercula copioſa, plana; in humido colore ex fuſco ſanguineo, margine concolore cincta, tenui. Cruſta fere nulla. Linea marginalis nulla. Diſco tuberculorum elapſo macula alba margine tenui cincta remanet.

34.

LICHEN CONFLUENS.

Lichen confluens; leproſus cinereus, tuberculis nigris, confluentibus.

Lichen confluens. WEB. *Spicil. p.* 180. *n.* 229. *Tab.* 2.

Li-

Lichen cruſta inſeparabili, farinoſa, cinerea, villoſa, ſcutellis atris. HALL. *Hiſt.* *n.* 2064?

Lichen cruſtaceus, ſaxatilis, farinaceus, rimoſus, & veluti teſſelatus, ex cinereo albicans, vulgatiſſimus, receptaculis florum nigris. MICH. *Gen.* *p.* 103. *n.* 20. *Tab.* 54. *f.* 7?

Verrucaria confluens. WIGGER. *Primit.* *n.* 947.

Schwartze zuſammengefloſſene Wartzenflechte.

Habitat in Europae ſaxis.

Cruſta craſſa, disfracta alba, in ſuperficie albida, ſed cum aliquo nigrore. Tubercula aterrima, cruſtae immerſa, in juniori aetate puncta repraeſentant, mox majuscula fiunt, lentis magnitudinem excedentia, convexa, irregularia, tandem confluunt, & ſaepius latas maculas efficiunt, ita ut cruſta plane abſcondatur. Madida nitent. Disfracta aterrima ſunt. WEB. *l.* *c.*

35.

LICHEN ALBOATER.

Lichen alboater; leproſus albus, tuberculis nigricantibus.

Verrucaria alboatra.

Weiſſe warzenflechte.

Habitat in cortice arborum rimoſo.

Cruſta tenuis, inaequalis, rimoſa; ſicca albicans; humida ex glauco vireſcens. Tubercula copioſa, convexa, in ſicco nigricantia, nebuloſa (per lentem apparent quaſi pruina tecta), in humido nigerrima. Tubercula juniora plana, margine cruſta concolore, cincta, diſco nigreſcente; deinde tubercula majora convexa, margine tenui albicante; demum hemisphaerica, margine obſoleto cincta. Absque lente margo tuberculorum vix conſpicuus. Aetate cruſta evaneſcit, tubercula nuda atra.

36.

LICHEN COERULEO-NIGRICANS.

Lichen coeruleo-nigricans; leproſus coeruleſcens, tuberculis nigricantibus. LIGHTF. *Fl.* *Scot.* *p.* 805. (DILL. *Hiſt.* *Muſc.* *Tab.* 82. *f.* 2.)

Verrucaria coeruleo-nigricans.

Bläulicht ſchwarze warzenflechte.

Bluiſch Lichen, with black warts. *Anglis.*

Habitat in Europae rupibus.

Cruſta granulata, coeruleſcens. Tubercula numeroſa convexa, atra. Satis diſtincta ſpecies, etſi in multis cum Lichene atroalbo conveniat. LIGHTF. *l. c.*

37.

LICHEN ATROALBUS.

Lichen atroalbus; leproſus niger, tuberculis atro alboque mixtis. LINN. *Syſt. Pl. Ed. R.* 4. p. 526. LIGHTF. *Fl. Scot. p.* 804. WEB. *Spicil. p.* 190. *n.* 246. HUDS. *Fl. Angl. Ed.* 2. *p.* 525.

Verrucaria atroalba.

Gemiſchte Warzenflechte.

Black and white mix'd Lichen. *Anglis.*

Habitat in Europae rupibus.

Cruſta atra, ſaepius evaneſcens. Tubercula convexa, ſaepius margine crenulato cincta, congeſta alba, nitida, in adultioribus ſordide albeſcentia. WEB. *l. c.*

38.

LICHEN CALCARIUS.

Lichen calcarius; leproſus candidus, tuberculis atris. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 526. WEIS. *Crypt. p.* 40. LIGHTF. *Fl. Scot. p.* 803. HUDS. *Fl. Angl. Ed.* 2. *p.* 524. HAGEN. *Hiſt. Lich. p.* 50. *n.* 18.

Lichen cruſta tartarea albiſſima, ſcutellis nigris. HALL. *Hiſt. n.* 2061?

Lichen calcareus; albidus tuberculis atris. NECK. *Meth. p.* 48.

Lichenoides tartareum tinctorium candidum, tuberculis atris. DILL. *Hiſt. Muſc. p.* 128. *Tab.* 18. *f.* 8.

Verrucaria calcaria.

Weinſtein artige Warzenflechte.

Black-nobb d Dyers Lichen. *Anglis.*

Ha-

Habitat in Europae rupibus, praeſertim calcareis.

Cruſta ſatis craſſa, candida, late expanſa; ſicca fragilis, rimoſa, dura, ſubaſpera; tartaro ſimilis; humectata flexilis, decidua. Tubercula ſparſa, ſolitaria, convexa, magnitudine varia. Ad tingendum rubrum adhiberi poſſe refert Dillenius. l. c.

39.

LICHEN MUSCORUM.

Lichen muſcorum; cruſta farinoſa, tuberculis atris.

Lichen muſcorum, WEB. *Spicil. p.* 183. *n.* 231. LINN *Meth. muſc. l. c p.* 199.

Lichen cruſtaceus, muſco plerumque innaſcens, polline cinereo veluti conflatus, receptaculis florum nigris. MICH. *Gen. p.* 98. *n.* 41.

Verrucaria muſcorum.

Meelichte Warzenflechte.

Habitat in muſcorum ſtratis & arborum corticibus, ſubſtratis tamen ſemper muſcis.

Cruſta parum cohaerens, farinoſa, Byſſo incanae LINN. omnino ſimilis, colore pariter varians cinereo, aut ex cinereo vireſcenti. Tubercula in ſiccioribus interdum planiuſcula, alias convexa, nitentia, atra, copioſa. magna, aetate ſaepius turbinata. WEB. l. c.

40.

LICHEN SULPHUREUS.

Tab. IV. fig. 1.

Lichen ſulphureus; leproſus ſulphureus, tuberculis nigris.

Lichen ſaxatilis, cruſta verrucoſa flava, ſcutellis concoloribus. HALL. *Hiſt. n.* 2058?

Lichen calcarius. LEERS. *Herb. p.* 254. *n.* 930.

Lichen cruſtaceus, ſaxatilis, farinaceus, cinereus, receptaculis florum nigris, & nonnihil tumentibus. MICH. *Gen. p.* 96. *n.* 14.?

Verrucaria ſulphurea.

Blasgelbe Warzenflechte.

Habitat in rupibus.

Cru-

Cruſta craſſa, gibba; iunior ſubaequalis, laevis; pallide ſulphurea, demum albida; ſicca rimoſa, teſſellata, decidua; disfracta albida. Tubercula ab initio parva, copioſa, plana, a cruſta vix diſtinguenda; dein obſcuriora, nebuloſa, leviter ruſeſcentia; demum convexa, prorumpentia atra, irregularia. Differt a Lich. ventoſo, tuberculis nigris, a Lich. calcario, cruſta ſulphurea.

(***) *Tuberculis ſeſſilibus fungoſis.*

41.

LICHEN VERNALIS.

Tab. V. fig. 1.

Lichen vernalis; leproſus albidus, tuberculis ſubrotundis ferrugineis. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 525. LEERS. *Herb. n.* 923. LIGHTF. *Fl. Scot. p.* 805. RETZ. *Prodr. Fl. Scand. n.* 1325.

Lichen cruſta tenuiſſima cinerea, ſcutellis fuſcis. HALL. *Hiſt. n.* 2070.

Lichen cinereo-fuſcus; cruſta cinerea, tenuis. Tubercula fuſca, plana, adultiora convexa. WEB. *Spicil. p.* 188. *n.* 244?

Lichen ferrugineus; leproſus albidus, tuberculis ſubrotundis ferrugineis. HUDS. *Fl. Angl. Ed.* 2. *p.* 526.

Verrucaria cinereo-fuſca. WIGGER. *Primit. n.* 950.

Lichen cruſtaceus, arboribus adnaſcens, cruſta cinerea, tenui, ex albo ſubcinerea, receptaculis florum atro-ruſis, ad ferrugineum tendentibus. MICH. *Gen. p.* 97. *n.* 25.

Lichenoides leproſum, tuberculis fuſcis & ferrugineis. DILL. *Hiſt. Muſc. Tab.* 18. *f.* 4. *et Tab.* 55. *f.* 8?

Verrucaria vernalis.

Roſtfarbige Warzenflechte.

Vernal Lichen. *Anglis.*

Habitat in cortice arborum rimoſo & putreſcente, praeſertim vere et autumno.

Cruſta recens granuloſa, e viridi ſordide flaveſcens; foliolis per lentem conſtans minimis, craſſiuſculis, difformibus, absque ordine ſtratis et congeſtis (a); ſicca tenuis pulverulenta, e cinereo albicans. Tuber-

bercula ſparſa, ſeſſilia, ſubſtantia fungoſa; juniora ſphaerica vel ſubglobosa, carnea, medio foveola depreſſa; dein planiuſcula, ferruginea ſub marginata (b); demum majora, convexa, hemiſphaerica (a); aetate plana, inaequalia, fuſca.

42.

LICHEN ICMADOPHILA.

Tab. VIII. fig. 1.

Lichen Icmadophila; leproſus, cinereus, tuberculis ſeſſilibus planis carneis. LINN. *Supplem. Pl. p.* 450. EHRH. *Phytoph. n.* 40.

Lichen ericetorum (*ſeſſilis*). *Syſt. Veget. Ed.* 13. *p.* 806. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 527. WEIS. *Crypt. p.* 44. SCHREB. *Spicil. p.* 135. POLLICH. *Palat. n.* 1092?

Lichen cruſta verrucoſa, cinerea, ſcutellis carneis, planis. HALL. *Hiſt. n.* 2044?

Lichen ericetorum; albidus: tuberculis planoco-nvexis ſeſſilibus ſtipitatisve. NECK. *Meth. p.* 49. *n.* 8.

Lichen Elveloides. WEB. *Spicil. p.* 186. *n.* 243?

Lichen ericetorum (*var. β.*). LIGHTF. *Fl. Scot. p.* 809.

Lichen ericetorum (*carneus*). RETZ. *Prodr. Fl. Scand. n.* 1333. *Fl. Dan. Tab.* 472. *f.* 4.

Lichen cruſtaceus, alpinus, lignis putridis, adnaſcens glaucus, receptaculis florum carneis et tumentibus. MICH. *Gen. p.* 98. *n.* 38?

Verrucaria Icmadophila.

Fleiſchfarbige Warzenflechte.

Habitat in Europae humidis.

Cruſta granuloſa ex glauco vireſcens. Tubercula copioſa ſeſſilia, fungoſa; initio parva, ſubſtipitata, pallide carnea; demum majora convexa, medio depreſſa; tandem plana, turbinata, undulata, cinereoglauca. Anne ſequentis varietas?

43.

LICHEN AERUGINOSUS.

Lichen aeruginoſus; cruſtaceus, tuberculis ſeſſilibus, planis, cruſta verniciformi. SCOP. *Carn. Ed.* 2. *n.* 1368. WEB. *Spicil. p.* 187. HAGEN. *Hiſt. Lich. p.* 52. *n.* 20 Ver-

Verrucaria aeruginoſa.

Grüne Warzenflechte.

Habitat in Abietinis truncis, aliarumque arborum Europae.

Cruſta ſimilis gypſo inſtrato, lata, obſcure granuloſa, putridis lignis inſperſa. Tubercula multa; juniora punctula prominentia, quae ſenſim hemisphaerica, dein convexa ac denique plana fiunt et diſciformia. SCOP. *l. c.* Sequentes *Vir ill.* varietates enarrat:

1.

Cruſta alba; tuberculis carneis. SCOP. *Carn.* *Ed.* 2. *p.* 362. (*var.* 1.)

Lichen cruſtaceus albus: cruſta verniciformi, tuberculis planis ſeſſilibus carneis. SCOP. *Carn. Ed.* 1. *p.* 78. *n.* 10. *var.* (a). WEB. *Spicil. p.* 187.

Habitat in putridis Abietum truncis, umbroſis et frigidis ſylvarum in locis.

Cruſta humectata albo-cinereum colorem acquirit. SCOP. *Carn. Ed.* 2. *l. c.*

2.

Cruſta cinerea; tuberculis carneis. SCOP. *Carn. Ed.* 2. *l. c.* (*var.* 2.)

Lichen cruſtaceus cinereus: cruſta verniciformi, tuberculis carneis ſeſſilibus planis. SCOP. *Carn. Ed.* 1. *l. c. var.* (b) et (c). WEB. *Spicil. p.* 187.

Habitat iisdem in locis.

3.

Cruſta glauco-virente; tuberculis iisdem. SCOP. *Carn. Ed.* 2. *l. c.* (*var.* 3.)

Lichen cruſtaceus glaucus: cruſta verniciformi, tuberculis carneis ſeſſilibus planis. SCOP. *Carn. Ed.* 1. *l. c. var.* (d). WEB. *Spicil. p.* 187.

Lichen cruſtaceus aeruginoſus; ſcutellis albidis. IACQVIN. *Auſtr. p.* 188. *Obſ.* 98.

Lichen aeruginoſus. HAGEN. *l. c. Tab.* I. *f.* 4.

Habitat in truncis arborum.

Cruſta eſt glauco-vireſcens, aliquatenus rimoſa, duplici linea marginali cinerea circumdata. Hujus medium occupant tubercula majora minoraque, concavo-plana, ex albo vireſcentia, approximata. HAGEN. *l. c.*

4.

Cruſta cinereo-virente, tuberculis nigris. SCOP. *Carn. Ed.* 2. (*var.* 4.)

Lichen cruſtaceus viridis: cruſta verniciformi, tuberculis atris ſeſſilibus planis. SCOP. *Carn. Ed.* I. *var.* (e). WEB. *Spicil. p.* 187.

Habitat cum prioribus.

Nigredo tuberculorum videtur morboſa, aut filia temporis. SCOP. *l. c.*

ORDO III.

LICHENES LEPROSI TUBERCULIS FUNGOSIS, STIPITATIS.

MICH. *Gen. Pl. Ord.* XXXV. *p.* 100.

TUBERCULARIA.

WIGGER. *Primit. n.* 958.

44.

LICHEN SABULETORUM.

Lichen ſabuletorum; leproſus vireſcens, tuberculis ſubſtipitatis planiusculis atris. SCHREB. *Spicil. p.* 134. *n.* 1135.

Lichenoides terreſtre leproſum, cruſta cinereo-vireſcente, tuberculis nigerrimis. DILL. *Giſſ. p.* 205.

Tubercularia ſabuletorum.

Schwartze Schwammflechte.

Habitat ad aggeres ſabuloſos, in muris argillaceis.

A Dillenio cum L. ſanguinario confunditur; ſequenti autem (L. ericetorum) magis adfine eſt. Tubercula ſtipitibus breviſſimis inſident et niſi attente examinentur, ſeſſilia eſſe videntur. SCHREB. *l. c.*

45.

LICHEN BÆOMYCES.

Tab. VIII. fig. 3.

Lichen Bæomyces; leproſus, albicans, tuberculis ſtipitatis carneis. LINN. *Supplement. Pl. p.* 450.

Lichen ericetorum (*ſtipitatus*). *Syſt. Veg. Ed.* 13. *p.* 806.

Lichen ericetorum; leproſus candidus, tuberculis incarnatis. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 527. SCHREB. *Spicil. p.* 134. *n.* 866. SCOP. *Carn. Ed.* 2. *n.* 1363. WEB. *Spicil. p.* 195. *n.* 251. LIGHTF. *Fl. Scot. p.* 809. HUDS. *Fl. Angl. p.* 527. HAGEN. *Hiſt. Lich. p.* 54. *n.* 23.

Lichen cruſta tenace verrucoſa albida-fungis incarnatis. HALL. *Hiſt. n.* 2042.

Lichen ericetorum; albidus, tuberculis plano-convexis, ſeſſilibus ſtipitatisque. NECK. *Meth. p.* 49. *n.* 8.

Lichen cruſtaceus, terreſtris, cruſta granuloſa, ex albo ſubcinerea, receptaculis florum rotundis, carneis, pediculo inſidentibus. MICH. *Gen. p.* 100. *Ord. XXXV. Tab.* 59.

Coralloides fungiforme carneum baſi leproſa. DILL. *Hiſt. muſc. p.* 76. *Tab.* 14. *f.* 1.

Tubercularia ericetorum. WIGGER. *Primit. n.* 958.

Fleiſchfarbige Schwammflechte.

Fleſh-colour'd Mushroom Lichen. *Anglis.*

Habitat in Europae ſterilibus.

Cruſta inaequalis; ſicca albida, vel ſubcinerea; humectata rarius virideſcens; late ſparſa, ex multis conſtans glebulis ſubrotundis, albicantibus vel leviſſime carneis. Tubercula copioſa, ſtipitata: ſtipitibus albis, ſubrugoſis, craſſiuſculis; convexa (a) glabra, pulvinata, ſaepe irregularia (b), obtuſa, rotunda; colore conſtanter incarnato; intus alba celluloſarepleta. Iuniora cruſtae immerſa minima, albida; dein exſurgentia ſubrotunda, pallide carnea, umbilicata, demum majora ſtipitata rubra; fungillis ſimilia; humida carnoſa, mollia; ſicca duriuſcula, ſtipiti adpreſſa (b).

 46.

Lichen aeruginoſus. HAGEN. *l. c. Tab.* I. *f.* 4.

Habitat in truncis arborum.

Cruſta eſt glauco-vireſcens, aliquatenus rimoſa, duplici linea marginali cinerea circumdata. Hujus medium occupant tubercula majora minoraque, concavo-plana, ex albo vireſcentia, approximata. HAGEN. *l. c.*

4.

Cruſta cinereo-virente, tuberculis nigris. SCOP. *Carn. Ed.* 2. (*var.* 4.)

Lichen cruſtaceus viridis: cruſta verniciformi, tuberculis atris ſeſſilibus planis. SCOP. *Carn. Ed.* I. *var.* (e). WEB. *Spicil. p.* 187.

Habitat cum prioribus.

Nigredo tuberculorum videtur morboſa, aut filia temporis. SCOP. *l. c.*

ORDO III.

LICHENES LEPROSI TUBERCULIS FUNGOSIS, STIPITATIS.

MICH. *Gen. Pl. Ord.* XXXV. *p.* 100.

TUBERCULARIA.

WIGGER. *Primit. n.* 958.

44.

LICHEN SABULETORUM.

Lichen ſabuletorum; leproſus vireſcens, tuberculis ſubſtipitatis planiusculis atris. SCHREB. *Spicil. p.* 134. *n.* 1135.

Lichenoides terreſtre leproſum, cruſta cinereo-vireſcente, tuberculis nigerrimis. DILL. *Giſſ. p.* 205.

Tubercularia ſabuletorum.

Schwartze Schwammflechte.

Habitat ad aggeres ſabuloſos, in muris argillaceis.

A Dillenio cum L. ſanguinario confunditur; ſequenti autem (L. ericetorum) magis adfine eſt. Tubercula ſtipitibus breviſſimis inſident et niſi attente examinentur, ſeſſilia eſſe videntur. SCHREB. *l. c.*

45.

45.

LICHEN BÆOMYCES.

Tab. VIII. fig. 3.

Lichen Bæomyces; leproſus, albicans, tuberculis ſtipitatis carneis. LINN. *Supplement. Pl. p.* 450.

Lichen ericetorum (*ſtipitatus*). *Syſt. Veg. Ed.* 13. *p.* 806.

Lichen ericetorum; leproſus candidus, tuberculis incarnatis. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 527. SCHREB. *Spicil. p.* 134. *n.* 866. SCOP. *Carn. Ed.* 2. *n.* 1363. WEB. *Spicil. p.* 195. *n.* 251. LIGHTF. *Fl. Scot. p.* 809. HUDS. *Fl. Angl. p.* 527. HAGEN. *Hiſt. Lich. p.* 54. *n.* 23.

Lichen cruſta tenace verrucoſa albida-fungis incarnatis. HALL. *Hiſt. n.* 2042.

Lichen ericetorum; albidus, tuberculis plano-convexis, ſeſſilibus ſtipitatisque. NECK. *Meth. p.* 49. *n.* 8.

Lichen cruſtaceus, terreſtris, cruſta granuloſa, ex albo ſubcinerea, receptaculis florum rotundis, carneis, pediculo inſidentibus. MICH. *Gen. p.* 100. *Ord. XXXV. Tab.* 59.

Coralloides fungiforme carneum baſi leproſa. DILL. *Hiſt. muſc. p.* 76. *Tab.* 14. *f.* 1.

Tubercularia ericetorum. WIGGER. *Primit. n.* 958.

Fleiſchfarbige Schwammflechte.

Flesh-colour'd Mushroom Lichen. *Anglis.*

Habitat in Europae ſterilibus.

Cruſta inaequalis; ſicca albida, vel ſubcinerea; humectata rarius virideſcens; late ſparſa, ex multis conſtans glebulis ſubrotundis, albicantibus vel leviſſime carneis. Tubercula copioſa, ſtipitata: ſtipitibus albis, ſubrugoſis, craſſiuſculis; convexa (a) glabra, pulvinata, ſaepe irregularia (b), obtuſa, rotunda; colore conſtanter incarnato; intus alba celluloſarepleta. Iuniora cruſtae immerſa minima, albida; dein exſurgentia ſubrotunda, pallide carnea, umbilicata, demum majora ſtipitata rubra; fungillis ſimilia; humida carnoſa, mollia; ſicca duriuſcula, ſtipiti adpreſſa (b).

46.

LICHEN FUNGIFORMIS.

Tab. VIII, fig. a.

Lichen fungiformis; cruſtaceus, cinereo-viridis; tuberculis ſtipitatis, fuſcis. SCOP. *Carn. Ed.* 2. *n.* 1364. WEB. *Spicil. p.* 197. *n.* 252.

Lichen viridulus. SCOP. *Carn. Ed.* 2. *n.* 1366?

Lichen cruſtaceus, terreſtris, cruſta granuloſa, ex albo ſubcinerea, receptaculis florum rotundis, fuſcis, pediculo inſidentibus. MICH. *Gen. p.* 100. *n.* 2?

Coralloides fungiforme, ſaxatile, pallide fuſcum. DILL. *Hiſt. muſc. p.* 78. *Tab.* 14. *f.* 4.

Tubercularia fungiformis. WIGGER. *Primit. n.* 959.

Kleine bräunliche Schwammflechte.

Habitat in Europae glareoſis.

B.

Lichen byſſoides; leproſo-farinaceus fuſcus, tuberculis ſtipitatis globoſis fuſcis. *Syſt. Nat. p.* 709.

Lichen byſſoides; leproſo-farinaceus, peltis ſtipitatis ſubgloboſis. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 523. LEERS. *Herb. n.* 922. WEB. *Spicil. p.* 198. LIGHTF. *Fl. Scot. p.* 809. HUDS. *Fl. Angl. Ed.* 2. *p.* 527.

Tubercularia fungiformis (*var. β.*). WIGGER. *Primit. n.* 959.

Coralloides fungiforme ex ungula equina livide rubeſcens. DILL. *Hiſt. muſc. p.* 78. *Tab.* 14. *f.* 5.

Fungi parvi globoſi ex ungue equino putreſcente. RAI. *Angl.* 3. *p.* 13.

Brown Mushroom Lichen. *Anglis.*

Habitat cum priori.

Cruſta tenuis glauco-vireſcens, glebuloſa; humore irrigata virideſcens. Tubercula hinc inde ſparſa, Lich. Ericet. minora; vel ſimplicia vel in plura capitula diviſa; ſicca plana, fuſca; humectata aquoſe rubella, ſtipitata: ſtipitibus albidis, compreſſis, apice dilatatis (a). In var.

B.

B. cruſta farinoſa, viridi-cinerea. Fungi pro ratione magni. LINN. *Sp. Pl. l. c.*

47.

LICHEN FUSCUS.

Tab. VIII. fig. 4.

Lichen fuſcus; leproſus viridis, tuberculis ſtipitatis, congeſtis fuſcis.

Lichen rufus; leproſus vireſcens, tuberculis ſubſtipitatis planiuſculis fuſcis. HUDS. *Fl. Angl. Ed.* 2. *p.* 527?

Lichen cruſta tenace verrucoſa fungis fuſcis. HALL. *Hiſt. n.* 2043?

Lichen fungiforme terreſtris, capitulis fuſcis. RAI. *p.* 70?

Coralloides fungiforme fuſcum, baſi foliacea. DILL. *Hiſt. muſc. p.* 77. *Tab.* 14. *f.* 2?

Vielknöpfige Schwammflechte.

Brown Lichen. *Anglis.*

Habitat in ericetis.

Cruſta craſſiuſcula ex minutiſſimis conſtans foliolis, imbricatis, per lentem ſinuatis (a b); ſupra virideſcentibus, ſubtus albidis. Tubercula ſtipitata: ſtipite laevi craſſiuſculo; ex pluribus capitulis fuſcis ſubrotundis compoſita.

48.

LICHEN PARASITICUS.

Tab. VIII. fig. 5.

Lichen paraſiticus; leproſo-farinaceus, albicans, tuberculis ſtipitatis congeſtis nigris.

Lichen cruſtaceus, ſaxis, et humo adnaſcens, polline cinereo, veluti conflatus, receptaculis florum ex rufo fulvis. MICH. *Gen. p.* 98. *n.* 42?

Lichen paraſiticus muſcorum (*var. γ. ericet.*). RETZ. *Prodr. Fl. Scand. n.* 1333?

Kleine blätterige Schwammflechte.

Habitat in terra et arborum cortice, ſubſtratis utplurimum muſcis.

Cruſta albicans vel ſubcinerea, ex minutiſſimis foliolis albidis pulverulentis (a) compoſita; per lentem tenuiſſime lobatis laciniatisque pe-

petiolatis erectiuſculis, globulis tectis farinaceis, deciduis. Tubercula conferta minima, carnea, demum fuſca; ſicca duriuſcula nigra; ſtipitata: ſtipite tereti compreſſiuſculo, ſubnudo; hinc inde foliolis adſperſo; apice ſaepe in duos treſve ramulos diviſo. Aetate cruſta fit craſſior, foliola majora, absque lente facillime diſtinguenda (a); humectata moliſſima; ſicca duriuſcula, fragilia. Lichen quisquiliarum ſimilis, fronde cinerea; ramis brevibus acutis; ſcutellis nigerrimis. HALL. *Hiſt.* n. 2026. non male conveniret, niſi cum Lichene. (MICH. *Gen.* p. 78. *Tab.* 53. *f.* 8.) certe a priori ſatis diverſo conjunxiſſet.

ORDO IV.

LICHENES LEPROSI SCUTELLATI;

LINN. *Syſt. Pl. Ed. R.* 4. *p.* 528.

LICHENES CRUSTACEI.

MICH. *Gen. Ord. XXXIV. p.* 96.

SCUTELLARIA.

49.

LICHEN CORALLINUS.

Tab. IV. fig. 1.

Lichen corallinus; leproſus ramoſus teres faſciculatus faſtigiatus confertiſſimus albus. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 527. OED. *Enum.* n. 208. POLLICH. *Palat.* n. 1089. WEB. *Spicil.* p. 201. n. 256. LIGHTF. *Fl. Scot.* p. 808. HUDS. *Fl. Angl.* p. 526. RETZ. *Prodr.* n. 1332.

Lichen defraudans. *Fl. Isl.* p. 17? (DILL. *Hiſt. muſc. Tab.* 17. *f.* 36?)

Scutellaria corallina.

Incruſtatförmige Schildflechte.

Coralline Lichen. *Anglis.*

Habitat in Europae rupibus ac lapidibus.

Cruſta craſſa alba, late ſparſa, ſuperficie tuberculoſa inaequali; disfracta apparet ex parvis fruticulis congeſtis albidis compoſita, figura corallii; faſtigiatis, apicibus rotundatis; per lentem obtuſis obovatis, medio puncto nigro excavatis (a). Scutellae minimae oculo nudo vix conſpicuae, in apicibus ramulorum ſeſſiles concolores; paululumque excava-

cavatae. Ipſe ſcutellas in exemplari depicto nullas vidi, earumque deſcriptionem ex Cl. WEBERI Spicil. deſumpſi. Scutellas fuſcas concavas vidit POLLICH. *l. c.*

50.

LICHEN SCRUPOSUS.

Tab. VI. fig. 1.

Lichen ſcrupoſus; cruſtaceus cinereus granoſus, ſcutellis immerſis atris; margine crenulato. SCHREB. *Spicil. p.* 133. *n.* 1133.

Lichen verrucoſus albus tenax et leproſum, ſcutellis nigris e ſubſtantia excavatis. HALL. *Enum. p.* 82. *Tab.* 2. *f.* 6.

Lichen cruſta tenace alba, ſcutellis ſeſſilibus atris. HALL. *Hiſt. n.* 2051.

Lichen tartareus. LEERS. *Herb. n.* 936. POLLICH. *Palat. n.* 1094.

Lichen cruſtaceus, ſaxatilis, farinaceus, verrucoſus, candidus, omnium craſſiſimus, receptaculis florum nigricantibus. MICH. *Gen. p.* 95. *Tab.* 52. *f.* 6.

Lichenoides cruſtaceum et leproſum, ſcutellis nigricantibus. DILL. *Hiſt. muſc. p.* 133. *Tab.* 18. *f.* 15. *var.* B.

Scutellaria ſcrupoſa.

Bleifarbige Schildflechte.

Habitat in ſaxis et rupibus Europae.

B.

Lichen muſcorum. SCOP. *Carn. Ed.* 2. *n.* 1375.

Lichen cruſtaceus, ſinuatus, farinaceus, verrucoſus, cinereus, muſco innaſcens, receptaculis florum nigricantibus. MICH. *Gen. p.* 95. *Ord.* XXXII. *Tab.* 52?

Habitat in muſcis et terra.

Cruſta craſſa rimoſo-verrucoſa; ſicca dura, humida flexilior; albida vel ex cinereo glauca. Scutellae copioſae, cruſtae immerſae, diſco excavato plumbeo (a); per lentem margine interiori tenui annulato, livido, exteriori albicante craſſiori, prominente (b), ſaepe crenulato cinctae; ſcutellae dein majores, planae, irregulares, diſco nigricante. In var. B. cruſta granuloſa friabilis, albicans vel ſubcinerea. Scutellae planiuſculae, nigricantes, margine interiori concolore, exteriori pallidiore, ſaepe farinoſo cinctae.

51.

LICHEN TARTAREUS.

Lichen tartareus; cruſtaceus ex albido vireſcens, ſcutellis flaveſcentibus: margine albo. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 529. LIGTF. *Fl. Scot. p.* 811. HUDS. *Fl. Angl. p.* 529. HAGEN. *Hiſt. Lich. p.* 58. *n.* 25.

Lichen ſeſſilis ſcutellis ſordide virentibus, oris albis. HALL. *Hiſt. n.* 2057?

Lichen tinctorius ruber. LINN. *It. Oel. p.* 29. *It.* WESTGOTH. *p.* 146.

Lichen leproſus candidus, ſcutellis fuſcis: margine albo. *Fl. Svec.* 942; 1070.

Verrucaria tartarea. WIGGER. *Primit. n.* 953.

Lichenoides tartareum farinaceum, ſcutellarum umbone fuſco. DILL. *Hiſt. muſc. p.* 131. *Tab.* 18. *f.* 12. 13.

Scutellaria tartarea.

Grüne Schildflechte. Färbeflechte.

Large yellow ſaucerd-Dyers Lichen. *Anglis.*

Habitat in Europa ad parietes rupium, et in ligno putreſcente.

Cruſta tenax craſſa, verrucoſa, pulverulenta, ex albido vireſcens. Scutellae numeroſae ex viridi flaveſcentes; margine cinctae albo; majores rotundiores planae, flaveſcentes; demum fuſcae convexae, margine oblitterato. Per aliquot Menſes in urina maceratus Lichen colore rubro tingendo utitur.

52.

LICHEN CRUENTUS.

Lichen cruentus; cruſtaceus flaveſcens, ſcutellis rubris.

Lichen cruſtaceus, tartareus, glaucus, ſcutis difformibus, planis ruberrimis. HALL. *Hiſt. n.* 2050.

Lichen cruſtaceus, verrucoſus, cinereus; ſcuttellis rubris. HALL. *Ien. p.* 379.

Lichen cruentus. WEB. *Spicil. p.* 184. *n.* 232. Tab. I.

Lichen Flaveſcens; cruſtaceus, verrucoſus, flaveſcens; ſcutellis rubris, margine albo. IACQ. *Miſcel. Vol.* 2. *p.* 79. *Tab.* 9. *f.* 1?

Li-

Lichen gelidus. HUDS. *Fl. Angl. Ed.* 2. *p.* 528. (*L. Heclae. Fl. Dan. Tab.* 470. *f.* 2?)
Scutellaria cruenta.
Blutrothe Schildflechte.
Habitat in rupibus et ſaxis Europae, praeſertim Hercyniae.

B.

Lichen ventoſus; leproſus flavus, tuberculis rubris. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 526. NECK. *Meth. p.* 48. *n.* 6. POLLICH. *Palat. n.* 1087. LIGHTF. *Fl. Scot. p.* 806. HUDS. *Fl. Angl. p.* 527. (DILL. *Hiſt. muſc. Tab.* 18. *f.* 14?)
Red-Spangled tartareous Lichen. *Anglis.*
Habitat in Alpium rupibus.

Latis cruſtis obducit ſaxa. Cruſta nitens, rimoſa, ex glebulis magnis, granuloſis conflata, recens flava eſt, tamen cum aliquo virore, mox virideſcit, glauca fit, et tandem in vetuſtioribus albicans eſt, cui in adultioribus imprimis immiſcentur puncta nigra ſaepius elevata, quae cum tuberculis non confundenda ſunt, quorum absque lente viſa referunt habitum. Tubercula e cruſta elevata, irregularia, glaberrima, et nitida, juniora parva ſunt, convexa, nec tam evidenter marginata, eleganter rubra, adultiora majuscula fiunt, plana, colore ſaturatiore, evidenter marginata, margine flaveſcente aut albicante, integro; vetuſtiora fuſca evadunt, etiam interdum in medio deprimuntur, ita ut ſcutellarum faciem fere aſſumant. Diſſecta intus alba ſunt, cortice rubro. Cruſta a lapidibus abſciſſa, albiſſimum fundum habet, qui a Lichenis prioribus annisp utrefacti, reliquiis ortus eſſe videtur. In vetuſtiſſimo ſtatu, cruſta in griſeam, etiam atrov-iridem, et tubercula in atra, ſplendentia mutantur, itque tunc plantam vix agnoſcas. WEB. *l. c.* In var B. cruſta craſſa teſſelata, pallide flava, ſicca glauca. Scutellae ſparſae, rubrae marginatae; margine cruſta concolore. Dubia planta adhuc amplius deſcribenda.

53.
LICHEN OCHROLEUCUS.
Tab. VI. fig 5.

Lichen ochroleucus; cruſtaceus ex albido vireſcens, ſcutellis rubris planiusculis.

Lichen ochroleucus; rugoſus obſcure flaveſcens: ſcutellis rubris planiuſculis. NECK. *Meth. p.* 52.

Lichen cruſta farinoſa, ſcutellis ſordide rufis planiſſimis. HALL. *Hiſt. n.* 2047?

Scutellaria ochroleuca.

Flache rothe Schildflechte.

Habitat in ſcopulis umbroſis terra ſemitectis.

B.

Tab. VI. fig. 6.

Lichen ſcutellis nudis ſeſſilibus flavis.

Lichen cruſtaceus, ſcutellis nudis ſeſſilibus convexis flavis. SCOP. *Carn. Ed.* 1. *p.* 83. *var.* (a)?

Cruſta tenuis inaequalis ex albido vireſcens, etiam ex viridi luteſcens. Scutellae numeroſae planae, orbiculatae absque margine prominulo, colore ſanguineo. Per lentem cruſta apparet verrucoſa, ſcutellae rubrae, carnoſae, elevatae (*f.* 5. *a*). Cruſta demum fit glauca; ſcutellae e fuſco luteſcentes; tandem decidit et ſcutellas nudas flaveſcentes ſeſſiles, margine eminenti cinctas, (*f.* 6. *a. b.*) relinquit.

54.

LICHEN MARMOREUS.

Tab. VI. fig. 4.

Lichen marmoreus; cruſtaceus ſubcinereus, ſcutellis carneis ſubhirſutis.

Lichen cruſta tenuiſſima, inſeparabili ſubcarnea, ſcutellis ſanguineis, ſubhirſutis. HALL. *Hiſt. n.* 2073.

Lichen cruſtaceus, ſcutellis ſeſſilibus, ſubnudis, lapideis concavis. SCOP. *Carn. Ed.* 1. *p.* 83. *var.* (c).

Lichen marmoreus. SCOP. *Carn. Ed.* 2. *n.* 1379.

Scutellaria marmorea.

Kleine rauhe Schildflechte.

Habitat. in rupibus et virgultis aridis dejectis.

Cruſta tenuiſſima inſeparabilis, in rupibus vix conſpicua, in virgultis fere nulla; ſubcinerea vel obſcure carnea; demum fuſca. Scutellae parvae urceolotae; diſco excavato carneo vel coccineo; margine pulverulento tumido, pallido. Per lentem cruſta ex moleculis parvis,

vis, irregularibus videtur conſtare; ſcutellae margine et exteriori ſuperficie hirſutae; particulis radiantibus (b); aliae glabrae minores, umbilicatae (a).

55.

LICHEN AURANTIACUS.

Lichen aurantiacus; leproſus albido-cinereus, ſcutellis aurantiacis. LIGHTF. *Fl. Scot. p.* 810.

Lichen flavo-rubeſcens; cruſtaceus cinereo-vireſcens, ſcutellis flavo-rubeſcentibus. HUDS. *Fl. Angl. Ed.* 2. *p.* 528. OED. *Enum. n.* 211.

Lichen cruſtaceus, arboribus adnaſcens, ex albo ſubcinereus, receptaculis florum aureis, nudis. MICH. *Gen. p.* 98. *n.* 33.

Scutellaria aurantiaca.

Orange farbige Schildflechte.

Orange Lichen. *Anglis.*

Habitat in truncis arborum, rupibus, et ſaxis.

Cruſta tenuis, in cortice cinereo-albicans, in rupibus ex cinereo nigricans, ſaepe vix conſpicua. Scutellae numeroſae parvae; coloris aurantiaci; margine in junioribus concolore, in majoribus diſco vix pallidiore. In aliis margo undulatus vel criſpus a compreſſione ſcutellarum. In collectione muſcorum Dillenii, Oxonii adhuc ſervata, etiam vidit cl. LIGHTF. L. aurantiacum, at cum L. ſubfuſco commixtum.

56.

LICHEN COERULESCENS.

Lichen coeruleſcens; cruſtaceus, ex albido coeruleſcens: ſcutellis concoloribus; margine albo. HAGEN. *Hiſt. Lich. p.* 50. *n.* 26. *Tab.* 1. *f.* 5.

Scutellaria coeruleſcens.

Bläuliche Schildflechte.

Habitat in rupibus, et arborum, praeſertim Tiliarum cortice.

Cruſta albida vel ex cinereo glauca, tenuis, ſcutellis ſaepe tota obſita, exinde coeruleſcens. Scutellae copioſae parvae; diſco coeruleſcente, margine pallidiore; demum nigricante, margine obſcuro. Per lentem cruſta apparet rimoſa, ſubcinerea; ſcutellae irregulares, ſaepius com-

compreſſae; iuniores margine craſſiori albido inſtructae, diſco nigricante pulvere albido leniter conſperſo, hoc deterſo, vel etiam humido, nigreſcente, demum convexo nigro.

57.

LICHEN RIMOSUS.

Lichen rimoſus; cruſtaceus albicans, fruſtulis ſubrotundo - angulatis, ſcutellis glaucis albo - marginatis. RETZ. *Prodr. Fl. Scand. n.* 1339. *Fl. Dan. Tab.* 468. *f.* 3.

Scutellaria rimoſa.

Riſſige Schildflechte.

Habitat in lapidibus.

58.

LICHEN MINUTISSIMUS.

Lichen minutiſſimus; cruſtaceus flaveſcens, ſcutellis vix prominentibus, fuſcis, margine albo craſſiori cinctis. HAGEN. *Hiſt. Lich. p.* 61. *n.* 29. *Tab.* I. *f.* 7.

Scutellaria minutiſſima.

Kleinſte Schildflechte.

Habitat in truncis arborum et fruticum.

Hanc minimam algam non licuit in Botanicorum indicibus, qui mihi ad manus ſunt, invenire. Cruſta ejus ex albo in flavum tendit colorem, glabra, hinc et inde rimoſa tenuiſſima et eſt. Semper fere in oblongum ſerpit. Scutellae ex ea quaſi tantummodo eminent, ut earum altitudo vix pili aequet craſſitudinem et tam parvae ſunt, ut vix nudo oculo diſcernantur. Medium cruſtae praeprimis obtinent, interdum approximatae, interdum remotae conſpiciuntur. Sunt planae, omnino ſeſſiles et reſpectu diſci, qui apicem ſubtiliſſimae aciculae refert: margo earum mediocriter craſſus creditur. HAGEN. *l. c.*

59.

LICHEN BYSSINUS.

Tab. IV. fig. 7.

Lichen byſſinus; pulverulentus nigricans, ſcutellis minutiſſimis flavis.

Lichen cruſta farinacea, verrucoſa, glauca, ſcutellis flavis planiſſimis. HALL. *Hiſt. n.* 2046?

Scu-

Scutellaria byſſina.
Staubartige Schildflechte.

Habitat in aſſeribus putridis.

Cruſta pulverulenta, maculas efformat fuſceatras vel nigricantes, tenuiſſimas. Scutellae copioſae minutae, flavae. Per lentem apparet cruſta ex multis foliolis lobatis ſubfuſcis, pellucidis gelatinoſis, tumidis conſtare, quibus inſident ſcutellae flavae, in humido convexae tumidae, in ſicco depreſſae; margine concolore inſtructae (a. b.). Scutellae adeo exiguae ut absque lente facile pro Byſſo candelari haberi poſſint.

60.

LICHEN PEZIZOIDES.

Tab. VII. fig. 6.

Lichen pezizoides; pulverulentus glaucus, ſcutellis rubris ſerratis.
Lichen cruſta verrucoſa, olivacea, ſcutellis rubris ſerratis. HALL. *Hiſt. n.* 2045?
Lichen *Pezizoides*. WEB. *Spicil. p.* 200. *n.* 255.?
Scutellaria Pezizoides.
Kleine gezähnte Schildflechte.

Habitat in radicibus arborum et terra.

Cruſta glauca vel etiam nigreſcens, tenuiſſima, fugax. Scutellae confertae iuniores luteae, planae; adultiores e luteo fuſcae, vel e fuſco rubrae; margine in humido crenato pallidiore, in ſicco vix conſpicuo; diſco leviter excavato nitido. Per lentem apparet cruſta verrucoſa; ſcutellae excavatae, margine membranaceo ſerrato cinctae (a. b.).

61.

LICHEN EXCAVATVS.

Tab. VII. fig. 4.

Lichen excavatus; cruſtaceus obſcure viridis, ſcutellis immerſis excavatis.
Lichen cruſtaceus, ſcutellis immerſis umbilicatis nudis; marginibus crenatis. SCOP. *Carn. Ed.* 1. *p.* 83. *n.* 19?
Scutellaria excavata.

Ausgehölte Schildflechte.

Habitat in cortice rimoſo Abietum.

Cruſta tenuiſſima ex cinereo viridis, demum nigreſcens, fugax. Scutellae ſparſae immerſae, excavatae; margine albo prominente, diſco albido vel nigreſcente. Per lentem apparet cruſta pulverulenta; ex cinereo vireſcens. Scutellae iuniores umbilicatae; adultiores e ſubſtantia corticis quaſi excavatae; margine albido annulato ſaepe pulverulento cinctae (a).

62.

LICHEN CLAVSVS.

Lichen clauſus; cruſtaceus albicans, ſcutellis immerſis concavis clauſis.
Scutellaria clauſa.
Geſchloſſene Schildflechte.

Habitat in rupibus praeſertim calcareis.

Cruſta tenuiſſima vix conſpicua, ſubcinerea, etiam albicans. Scutellae parvae, immerſae; iuniores apice clauſae; demum apertae, margine albido tenui inſtructae, diſco excavato, e luteo fuſco vel albeſcente. Per lentem apparent ſcutellae iuniores immerſae, apice tumidae, rugoſae, contractae; demum expanſae, diſco e luteo fuſco, margine tenui ſubcrenato; tandem diſco elapſo, foveolas leviter excavatas, ſubrotundas (ut in L. immerſo) in lapide relinquunt.

63.

LICHEN FVLVVS.

Lichen fulvus; leproſus luteo-viridis, ſcutellis fulvis. SCHREB. *Spicil. p.* 137. *n.* 1139.
Lichen cruſtaceus, arboribus adnaſcens, farinaceus, verrucoſus, ſulphureus, receptaculis florum fuſcis. MICH. *Gen. p. 96. n.* 4.
Scutellaria fulva.
Feuergelbe Schildflechte.

Habitat in arborum truncis, praeſertim Salicum annoſarum.

Cruſta annoſa per ſenium cineraſcens. Tubercula ab initio margine elevatiore pallidiore circumdata, qui demum obliteratur. SCHREB. l. c.

64.

64.

LICHEN CARPINEUS.

Lichen carpineus; leproſus cinereus, tuberculis albidis rugoſis. LINN. Syſt. Pl. Ed. R. 4. p. 527. WEIS. Crypt. p. 42. HUDS. Angl. Ed. 2. p. 526. HAGEN. Hiſt. Lich. p. 63. n. 22.

Lichen Geographicus. LINN. It. Scan. p. 48?

Lichen cruſtaceus albus, ſcutellis cinereis ſeſſilibus planis: margine niveo. SCOP. Carn. Ed. 1. p. 81. n. 16. var. (b).

Lichen carpineus. WIGGER. Primit. n. 954.

Scutellaria Carpinea.

Weiſſe Landkartenähnliche Schildflechte.

Horn beam Lichen. *Anglis.*

Habitat in Carpinorum cortice.

Cruſta tenuiſſima albida, vel e cinereo albicans, maculas efformat ſubrotundas, oblongas, ſaepe irregulares, latitudinis variae; ſaepe lineis nigris, repandis, terminatas. Scutellae (ſi adſunt) minutiſſimae ſparſae, ab initio tuberculoſae, albidae; demum maiores expanſae; diſco albido, margine concolore niveo cinctae. Cavendum ne cum ſequenti confundetur.

65.

LICHEN ANGULOSUS.

Lichen anguloſus; cruſtaceus albidus, ſcutellis confertis albidis in tubercula demum abeuntibus. SCHREB. Spicil. p. 136. n. 1137.

Lichenoidis candidi et farinacei &c. varietas, candida quidem ſed non farinacea, cruſta tenuiore ſcutellis minoribus ad incarnatum colorem tendentibus. DILL. Hiſt. muſc. p. 131.

Scutellaria anguloſa.

Kleine weiſslichte Schildflechte.

Habitat in cortice arborum et lapidibus.

Cruſta tenuiſſima, alba. Scutella admodum conferta, e mutua preſſione ſaepius angulata, polline tenuiſſimo candido undique conſperſa, colore diſci (per microſcopium viſi) leviſſime ad cinereum aut carneum inclinante, margine (in iunioribus) ſubinde crenulato, in adultioribus ſenſim evaneſcente, ut, diſco elevato, in tubercula abe-

ant. Adultioris color in cinereum tranſire ſolet. Margo niger, ſi adeſt, ad Lichenem ſanguinarium potius pertinere videtur. SCHREB. l. c.

66.

LICHEN PALLIDUS.

Tab. V. fig. 2.

Lichen pallidus; cruſtaceus albicans, ſcutellis pallide rubris, margine albo crenato.

Lichen cruſtaceus verrucoſus, candidus, ſcutellis rubris. HALL. *Enum. p.* 83. *n.* 110?

Lichen cruſta tenace, verrucoſa, cinerea, ſcutellis rufis marginatis. HALL. *Hiſt. n.* 2049.

Lichen ſubfuſcus rufus. WEIS. *Crypt. p.* 50? HAGEN. *Hiſt. Lich. p.* 62. *n.* 30. (*var. α. L. ſubf.*).

Lichen ſubfuſcus; ſcutellis rufis albido marginatis. LEERS. *Herb. n.* 938. (*var. α. L. ſubf.*).

Lichen palleſcens. WEIS. *Crypt. p.* 47?

Lichen cruſtaceus, farinaceus, arboribus adnaſcens, verrucoſus, candidus, receptaculis florum rufeſcentibus. MICH. *Gen. p.* 96. *n.* 2.

Lichenoides tartareum lividum ſcutellis rufis margine exili. DILL. *Hiſt. muſc. p.* 133. *Tab.* 18. *f.* 14. *Tab.* 18. *f.* 16. *L. B?*

Scutellaria pallida.

Blaſsrothe Schildflechte.

Habitat in cortice arborum, lignis putridis.

Cruſta craſſa, irregularis, albicans; in humido ſubcinerea, vel ex cinereo vireſcens; granuloſo-pulverulenta. Scutellae copioſae, confertae, ſaepe compreſſae; iuniores albiſſima granula referunt, ab initio poro tenui rubello in medio notatae; demum maiores expanſae, diſco pallide rubro vel etiam carneo, in adultioribus ſaturatius tincto; colore quaſi boli armeniacae, at nunquam ſubfuſco; margine craſſiori, candidiſſimo, pulverulento, crenulato. Per lentem cruſta apparet ex verrucis oblongis, connatis, craſſiuſculis, albidis, conſtare; ſcutellae iuniores elevatae, quaſi pedunculo inſidentes (b); maiores ſeſſiles expanſae; diſco excavato; margine pulverulento crenato (a).

67.

67.

LICHEN SUBFUSCUS.

Tab. V. fig. 3.

Lichen ſubfuſcus; cruſtaceus albicans, ſcutellis ſubfuſcis: margine cinereo ſubcrenato. LINN. *Sp. Pl.* 2. *p.* 1609. NECK. *Gallob. p.* 503. WEIS. *Crypt. p.* 48. SCHREB. *Spicil. p.* 132. *n.* 1129. POL. LICH. *Palat. n.* 1096. LIGHTF. *Fl. Sc. p.* 813. HAGEN. *Hiſt. Lich. p.* 62. *n.* 30.

Lichen cruſta farinoſa, ſcutellis ſordide rufis planiuſculis. HALL. *Hiſt. n.* 2047.

Lichen cruſtaceus verrucoſus, albicans; ſcutellis ſubfuſcis, ſeſſilibus planis; margine cinereo, ſubcrenato. SCOP. *Carn. Ed.* 1. *p.* 82. *n.* 16. *var.* (*c*).

Lichen ſubfuſcus. SCOP. *Carn. Ed.* 2. *n.* 1377.

Lichen ſubfuſcus; rugoſus ſubcinereus: ſcutellis ſubfuſcis margine crenulatis. NECK. *Meth. p.* 53.

Verrucaria ſubfuſca. WIGGER. *Primit. n.* 956.

Lichen cruſtaceus, arboribus adnaſcens, ex cinereo albicans, receptaculis florum crebris, ſubfuſcis, limbo albo, crenato, cinctis. MICH. *Gen. p.* 97. *n.* 29.

Lichenoides cruſtaceum, et leproſum, ſcutellis ſubfuſcis. RAI. *Syn. p.* 71. DILL. *Hiſt. muſc. p.* 134. *Tab.* 18. *f.* 16.

Scutellaria ſubfuſca.

Braune Schildflechte.

Brownish Lichen. *Anglis.*

Habitat in Europa, in arborum truncis et rupibus.

B.

Lichen ſubfuſcus minor; cruſtaceus ſubcinereus, ſcutellis ſubfuſcis: margine albido integerrimo.

Lichen cruſtaceus, arboribus adnaſcens, ex albo ſubcinereus, verrucoſus, receptaculis florum crebris, ſubfuſcis, limbo albo, non crenato, cinctis. MICH. *Gen. p.* 97. *n.* 30.

Lichen cruſtaceus, arboribus adnaſcens, ex albo ſubcinereus, receptaculis florum ſubfuſcis, minus crebris. MICH. *Gen. p.* 97. *n.* 31.

 Kleine

Lichen ſubfuſcus; cruſtaceus albicans, ſcutellis nigris: iunioribus urceolatis cavis. *Syſt. Veget. p.* 806. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 530. SCHREB. *Spicil. p.* 132.

Lichen cruſta glauca verrucoſa tenace. HALL. *Hiſt. n.* 2056.

Lichen cruſtaceus verrucoſus albicans, ſcutellis atris, ſeſſilibus planis, margine albo. SCOP. *Carn. Ed.* 1. *p.* 82. *n.* 16. *var.* (f).

Lichen ſubfuſcus ater. WEIS. *Crypt. p.* 49. (*var. a.*). POLLICH. *Palat. n.* 1096. (*var. β. L. ſubf.*) RETZ. *Prodr. Fl. Scand. n.* 1342. (*var. γ. ſubf.*)

Lichen nigricans; cruſtaceus albicans, ſcutellis atris margine cinereo laevi. NECK. *Gallob. p.* 504. *Eiusd. Method. p.* 53. (*var. β. L. ſubf.*).

Lichen ater; cruſtaceus albicans, ſcutellis nigris albo marginatis. LIGHTF. *Fl. Scot. p.* 813. (*var. β.*) *p.* 814.

Lichen cruſtaceus, ſaxatilis, et arboreus, verrucoſus, cinereus, receptaculis florum nigricantibus. MICH. *Gen. p.* 96. *n.* 8 — 12?

Lichenoides cruſtaceum et leproſum, ſcutellis nigricantibus maioribus et minoribus. DILL. *Hiſt. muſc. Tab.* 18. *f.* 15. *Tab.* 55. *f.* 8.

Scutellaria atra.

Schwartze Schildflechte.

Black cupped Lichen. *Anglis.*

Habitat in Europae rupibus et arboribus.

Cruſta craſſa verrucoſa, ſubrimoſa, inaequalis albicans. Scutellae numeroſae ſeſſiles; verſus centrum maiores, adproximatae. Iuniores ab initio verrucoſae minutiſſimae, puncto nigro in medio notatae, in cruſtam quaſi immerſae; dein elevatae, urceolatae, excavatae; diſco nigro, margine craſſiori integerrimo albido; demum expanſae, amplae, ſeſſiles, diſco atro; humectato tumido, floccoſo, panno atro ſericeo, non diſſimili, inaequali; margine tenuiori, albicante, crenato, undulato, a compreſſione ſcutellarum ſaepe angulato irregulari (a b). A priori praeſertim var. B. differt: cruſta tenaci craſſiori, ſcutellis immerſis, iam ab initio nigris.

69.

69.

LICHEN PARELLUS.

Tab. VI. fig. 2.

Lichen Parellus; cruſtaceus albus, peltis concavis obtuſis pallidis. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 350. OED. *Enum. p.* 30. LEERS. *Herb. n.* 939. DOERR. *Naſſ. p.* 296. LIGHTF. *Fl. Sc. p.* 814. RETZ. *Prodr. Fl. Sc. n.* 1343. HUDS. *Fl. Angl. Ed.* 2. *p.* 530.

Lichen verrucoſus, tenax, albus; ſcutellis excavatis, marginatis, concoloribus. HALL. *Hiſt. n.* 2048.

Lichen Parellus; albidus rugoſo calcareus: ſcutellis irregularibus concoloribus. NECK. *Meth. p.* 50.

Verrucaria Parella. WIGGER. *Primit.* 957.

Lichen cruſtaceus, arboribus adnaſcens, farinaceus, verrucoſus, candidus, receptaculis florum concoloribus. MICH. *Gen. p.* 96. *n.* 3?

Lichenoides leproſum tinctorium, ſcutellis lapidum cancri figura. DILL. *Hiſt. muſc. p.* 130. *Tab.* 18. *f.* 10. DILL. *Giſſ. p.* 205. 4.

Parelle d'Auvergne. TOURNEF. *It.* 1. *p.* 233.

Scutellaria Parella.

Krebsaugenförmige Schildflechte. Perelle. Erdorſeille.

Crawfish - ege Lichen. *Anglis.*

Habitat in muris, rupibus et arboribus.

Cruſta albida rugoſa verrucoſa: verrucis irregularibus confluentibus; disfracta albida, madefacta et contrita inter digitos rufeſcens. Scutellae numeroſae, confertae; iuniores globuloſae, apice umbilicatae; cruſta concolores; dein maiores leniter excavatae, planiuſculae, diſco albido, in humido rufeſcente, margine glabro, inſigni, tumido convexo, albido (a). In adultioribus diſcus magis excavatus irregularis, rugoſus vel etiam verrucoſus, margine plicato undulato ſaepe obliteratus (b). Per lentem apparet cruſta granoſa, ſubrimoſa, ſcutellarum diſcus pulvere albo conſperſus. Scutellae et forma et colore non male lapides cancri referunt. Hoc Lichene ad conficiendam laccam caeruleam (vulgo Lacmus) in fabrica prope Amſtelodamum uti, enarrat Ill. FERBERUS (neue mineral. Beytr. I. p. 378. HAGEN. *Hiſt. Lich.* p. 28.)

70.

70.

LICHEN ANDROGYNUS.

Tab. VII. fig. 3.

Lichen androgynus; cruſtaceus albicans, tuberculis pulverulentis, ſcutellis pallidis; margine albo, crenulato pulverulento.

Lichen cruſta verrucoſa, cinerea, ſcutellis carneis planis. HALL. *Hiſt.* *n.* 2044?

Lichen Parellus. WEB. *Spicil. p.* 199. *n.* 254?

Scutellaria androgyna.

Warzen Schildflechte.

Habitat in ligno ſeu ſcandulis putridis.

Cruſta ex cinereo albicans, madefacta rubro colore tincta; verrucoſa: verrucis ſubrotundis, ſubgloboſis, integerrimis; dein pulvere albido ſeu flaveſcente effloreſcentibus; ſenſim maioribus congeſtis, in cruſtam craſſam, pulverulentam, inaequalem. Scutellae amplae, planae, diſco plano, demum convexo, carneo, cinnabarino, pallido, aetate, e fuſco nigricante; carnoſo, excidente; margine albicante, ſubcrenato, pulverulento; iuniores ſcutellae tuberculoſae vel hemiſphaericae, diſco concavo pallide carneo, margine tumente, candido. Odor huius Lichenis in recenti ut Crepis foetidae, ſapor amaricans. Alia occurrunt ſpecimina mere tuberculoſa, ex verrucis informibus aggregatis, acervatis compoſita, quae efflореſcunt pulvere albido vel rufeſcente, etiam flaveſcente, tuberculis aliis coccineis intra rimas ſaepe locatis. In aqua maceratus Lichen eam tingit rubro colore. Tubercula ſeu verrucae lenti ſubiectae apparent ſubrotundae vel ovatae acervatae (a), glabrae, dein effloreſcentes, granulis minutiſſimis compoſitae (b). Scutellae planae, margine dehiſcentes, granulis ſimilibus adſperſae. Cum L. tartareo maxime convenit.

71.

LICHEN UPSALIENSIS.

Tab. VII. fig. 1.

Lichen upſalienſis; cruſtaceus, foliolis ſubulatis ſtriatis. LINN. *Syſt. Pl. Ed. R.* 4. *p.* 531. *Fl Suec.* 2. 1073. *Fl. Norv.* 562. OED. *Enum. p.* 30. RETZ. *Prodr. Fl. Scand. n.* 1344.

Scutel-

Scutellaria upſalienſis.
Upſaliſche Schildflechte.

Habitat in ſummis iugis ſupra terram ſteriliſſimam campi polonici, muſcis praeſertim Polytricho communi, et Lichenibus ſcyphiferis inſtratus.

Cruſta pulverulenta, granulata, cohaerens ex cinereo albicans; a ſubiectis muſcis quos inveſtit apparet conſtare fetis rectis, albis, emarcidis, proſtratis, inaequalibus, confuſis, ſimpliciſſimis, fragiliſſimis, ſaepe pluribus baſi coalitis. Scutellae numeroſae, albidae, verſus mediam cruſtam confertae, maiores, ſeſſiles; iuniores granulatae, cruſta concolores, apice excavatae; demum expanſae maiores, diſco albido punctato, margine obtuſo concolore (a), diſco in adultioribus convexo, margine obliterato (b). Specimen depictum in ipſo campo polonico lectum mecum benigne communicavit Ill. SCHREBERUS.

ORDO V.

LICHENES CRVSTACEI IMBRICATI.

MICH. *Gen. Pl. Ord. XXX. p.* 94.

PSORAE.

HALL. *Hiſt. Ord. VII. n.* 2021.

LICHENES LEPROSI CRVSTA AD FOLIACEAM NATVRAM ACCEDENTE.

WEB. *Spicil. p.* 192.

PSORA.

72.

LICHEN CANDELARIUS.

Tab. IX. fig. 3.

Lichen candelarius; cruſtaceus flavus, ſcutellis luteis. LINN. *Syſt. Veget. Ed.* 14. *p.* 958. *n.* 22. *Syſt. Pl.* 4. *p.* 528. *n.* 20. *Fl. Suec.* 2. *n.* 1069. GORT. *Belg. II. p.* 305. WEIS. *Crypt, p.* 46. SCHREB. *Spicil. p.* 132. *n.* 1131. LEERS. *Herb, n.* 935. POLLICH. *Palat. n.* 1093. LIGHTF. *Fl. Scot. p.* 811. (*var. α.*). WEB. *Spicil. p.* 194. *n.* 250. MATTUSCHK. *Sil.* 846. EIUSD. *Enum. n.* 1071. RETZ. *Prodr.*

Prodr. Scand. n. 1337. HUDS. *Angl. Ed.* 2. *p.* 528. HAGEN. *Hiſt. Lich. p.* 56. *n.* 24. LEYS. *Halenſ. Ed.* 2. *n.* 1132.

Lichen fronde laciniata, rotunde lobata, flava, concolore. HALL. *Hiſt. n.* 2023.

Byſſus farinacea flava. LINN. *It. Oel.* 30. *It. W. Goth.* 159.

Lichen cruſtaceus luteo-vireſcens; ſcutellis flavis. HUDS. *Angl. Ed.* 1. 445.

Lichen fulvus; fronde ſubrotunda, germinante aſperiuſcula: primordialibus nudis cruſtaceo pulverulentis. NECK. *Meth. p.* 51.

Lichen candellarius; cruſtaceus flavus, ſcutellis ſeſſilibus planis. SCOP. *Carn. Ed.* 2. *n.* 1378. *Ed.* 1. *p.* 81. *n.* 16. (*a*).

Placodium candellarium. WIGGER. *Primit. n.* 961.

Lichen cruſtaceus, Alpinus, arboribus adnaſcens, luteus, receptaculis florum aureis. MICH. *Gen. p.* 97. *n.* 27.

Lichen cruſtaceus, ſaxatilis, cruſta tenuiori, lutea, receptaculis florum ſaturo-aureis. MICH. *Gen. p.* 97. *n.* 28.

Lichenoides cruſtoſum, orbiculis et ſcutellis flavis. DILL. *Hiſt. muſc. Tab.* 18. *fig.* 18. B.

Pſora candelaria.

Gelbe Schuppenflechte, Mauerkräze.

Blaſsgelbe Lichflechte. SUCKOW. *Oec. Bot. p.* 403.

Kaarſig Schurftmos. HOUT. *nat. Hiſt. T.* 2. *St.* 14. *p.* 506. *n.* 20.

Yellow farinaceous or cruſtet Lichen. *Anglis.*

Habitat in Europae parietibus, muris, arborum cortice. Hyeme imprimis poſt pluviam viget.

Cruſta lutea, ſicca pulverulenta, Byſſo candelari admodum ſimilis, accuratius vero inſpecta apparet foliolis minutis imbricatis, varie laciniatis, verſus medium acervatis, farinaceis conſtare; in media praeſertim cruſta locatae ſunt ſcutellae ſeſſiles, planiſſimae, margine cruſta concolore tenui pulverulento, diſco ex viridi luteſcente plano, demum convexo inſtructae. Per lentem apparent foliola (b) diviſa et ſubdiviſa, margine lobata: lobis ſinuato laciniatis: laciniis erectiuſculis, oblongis, obtuſis, farinoſis; verſus medium denſe acervata foliola ex

ex meris globulis fariniferis conſtare videntur; ſcutellae margine crenulatae, farinaceae (b); juniores integrae flavae. Prima in aetate orbiculos parvos (a) ex minimis efformat foliolis; per lentem ſublinearibus lobatis: lobulis in tres plerumque lacinias obtuſas diviſis, ſaepe ex viridi luteis. Aetate colorem eleganter flavum in croceum, ultimo fuſcum mutat (WEIS. *Crypt. p.* 47.). A Byſſo candelari LINN. hic Lichen differt, cruſta folioſa: frondulis criſpis per lentem lobatis; ſcutellis planiſſimis concoloribus. Specimina alia occurrunt ſcutellis plerumque deſtituta (c), foliola ſunt laxe imbricata, obſcure lobata, ſubrotunda, margine undique globulis farinoſis obſita, ſubtus ut in ſuperiori, albida, radiculis minimis firmis, albeſcentibus veſtita. Aquam, ſiccus Lichen pertinaciter aſpernatur, et niſi diutius irrigatus reviviſcit. Ruſtici Smalandiae a parietibus abraſum Lichenem et linteo involutum, aqua, exinde luteo tincta colore, excoctum, cum ſebo miſcent, et candelas, cereis ob luteum colorem ſimiles, pro diebus feſtivis formant (LINN. *It. Oel. p.* 36.).

73.
LICHEN FLAVESCENS.

Lichen flaveſcens; cruſtaceus flavo-vireſcens, ſcutellis rufo luteis. HUDS. *Fl. Angl. Ed.* 2. *p.* 528.

Lichen candelarius (*var.* β.). LIGHTF. *Fl. Scot. p.* 811. (DILL. *Hiſt. muſc. Tab.* 18. *f.* 18. *A. C.* LIGHTF.

Pſora flaveſcens.

Grün-gelbe Schuppenflechte.

Habitat in cortice arborum, muris, rupibus.

Habitus praecedentis (candel.) ſed cruſta orbicularis, rugoſa, vireſcens; ſcutellae fuſco-flaveſcentes, ſeu teſtaceo-luteae, convexae. HUDS. l. c.

74.
LICHEN GELIDUS.

Lichen gelidus; cruſtaceus albicans, peltis tuberculoſis rugoſis teſtaceis. LINN. *Syſt. Veget. Ed* 14. *p.* 958. *n.* 23. *Syſt. Pl.* 4. *p.* 529. *n.* 21. *Mant.* 133. GUNN. *Fl. Norv.* 876. RETZ. *Prodr. Scand. n.* 1338.

14. *p.* 958. *n.* 24. LINN. *iun. Diſſ. Meth. Muſc. p.* 36. *Tab.* 2. *fig.* 4. *Act. Suec. Tom.* 1. *p.* 199. *Tab.* 15. *fig.* 4.

Pſora frigida.

Lappländiſche Schuppenflechte.

Habitat in Alpibus lapponicis, prope culmina nivium, et interdum muſcis inſidens.

Cruſta craſſa, incipiente farinoſa, deinde verrucoſa, et quidem non abſimilis fig. DILL. *Tab.* 17. *fig.* 36. et demum fere fruticuloſa; humida gelatinoſa inſtar evadit, ſicca fragiliſſima. Peltae fruticulis teneribus leviter inſidentes, croceae l. teſtaceae, albo-marginatae, crenulatae. LINN. *Iun l. c.* Cl. EHRHART contendit, L. frigidum cum L. tartareo eandem ſpeciem conſtituere et male pro novo Lichene habitum fuiſſe. (BALD. *N. Mag. B.* 4. *St.* 4. 322.)

78.

LICHEN RADIOSUS.

Tab. IV. fig. 5.

Lichen radioſus; cruſtaceus imbricatus, foliolis obſolete lobatis radiantibus cinereis, ſcutellis minimis fuſcis.

Pſora radioſa.

Stralichte Schuppenflechte.

Habitat in rupibus.

Cruſta plerumque orbicularis, ſaepius late expanſa, obſcure cinerea, vel cinereo-fuſca, foliolis conſtans tenuiſſimis, calcareis, varie lobatis: lobulis (per lentem) inciſis! obtuſis (a); radiantibus, arctiſſime lapidi adnatis, in prima aetate ad ſe invicem appreſſis craſſiuſculis, in adultiore ſaepe vix diſtinguendis. Scutellae numeroſae minimae, in ſicco fuſcae, humectatae; fuſco-rubrae, albido-marginatae, in centro cruſtae approximatae, rimis cruſtae a ſe invicem remotae, tum vel ſolidariae vel plures cohaerentes in uno areolo apparent.

79.

LICHEN MINIATUS.

Lichen miniatus; cruſtaceus imbricatus, foliolis minutiſſimis linearibus miniatis, ſcutellis concoloribus.

Lichen

Lichen fronde calcaria, pulpoſa, miniata, laciniata, lobis linearibus. HALL. *Hiſt. n.* 2022?

Lichen pulmonarius, ſaxatilis, farinaceus, coloris aurantiaci, foliis magis appreſſis, receptaculis florum concoloribus. MICH. *Gen. p.* 95. *n* 14.

Lichenoides tenuiſſimum, ſcutellis exiguis miniatis. DILL. *Hiſt. muſc. p.* 116. *Tab.* 24. *fig.* 68.

Pſora miniata.

Mennigrothe Schuppenflechte.

Habitat in rupibus alpinis et montanis.

Cruſta eleganter miniata, ſaxis arctiſſime adnata, ſparſa vel in orbiculos parvos congeſta; ab initio ex meris ſcutellis miniatis et minutiſſimis foliolis oculo nudo vix diſtinguendis, vel congeſtis, vel hinc inde ſparſis conflata videtur; poſthaec apparent foliola magis diſtincta, linearia, multifida, apice obtuſa, inciſa, appreſſa, rarius imbricata, in orbiculum parvum locata, baſi ſua a centro remota ut in medio ſpatiolum nudum relinquant. Per lentem apparent foliola craſſiuſcula integra vel fruſtulis minutis compoſita. Scutellae margine concolore miniato cinctae, planae, demum convexae. Color foliorum ſaepe ex rubro in flavum vel aurantiacum tendit.

80.

LICHEN MURORUM.

Tab. IX. fig. 2.

Lichen murorum; cruſtaceus imbricatus, foliis pulpoſis anguſtis luteis, ſcutellis concoloribus.

Lichen parietinus. LEERS. *Herb. n.* 952.

Lichen pulmonarius, ſaxatilis, farinaceus, luteus, vulgatiſſimus, foliis pulpoſis, receptaculis florum concoloribus. MICH. *Gen. p.* 95. *n.* 15.

Pſora murorum.

Goldgelbe Schuppenflechte. Mauerkrätze.

Habitat in Europae muris et tectis.

Cruſta calcaria luteo vel aureo colore, foliolis conſtans in orbem expanſis minimis (a. b.), dein maioribus craſſiuſculis, in ſicca duriori-

bus, in humida pulpoſis; linearibus, convexis, lobatis, obtuſiſſimis: lobulis apice incraſſatis (per lentem) bi-quadrifidis (c), arctiſſime adnatis; ſupra aureis, ſaepe ex luteo vireſcentibus, ſubtus albidis, rugoſis. Scutellae minimae fulvae, margine tenui integerrimo concolore, diſco in humido, convexo, obſcuriori vel ſordido inſtructae. Cruſta aetate magis expanſa, centrifuga vel etiam ſemicircularis occurrit. Cum L. parietino LINN. congruere nequit, ille enim foliaceus arboreus, hic cruſtaceus rupeſtris.

81.

LICHEN MURALIS.

Tab. IX. fig. 1.

Lichen muralis; imbricatus flavo-vireſcens, ſcutellis concoloribus demum luteſcentibus; margine pallido. SCHREB. *Spicil. p.* 130. *n.* 1126.

Lichen palleſcens; cruſtaceus albicans ſcutellis pallidis. LINN. *Syſt. Veget. Ed.* 14. *p.* 958. *n.* 28. *Syſt. Pl. p.* 529. *n.* 23. *Sp. Pl.* 1610. SCHREB.

Lichen ſaxicola; foliolis multifidis, adpreſſis, ex albido-viridantibus, centrifugis, ſcutellis parvis, ex flavicanti bruniuſculis, in centro congeſtis, margine albido crenulato gaudentibus. POLLICH. *Palat. n.* 1098.

Lichen pulmonarius ſaxatilis farinaceus, glauco-vireſcens, anguſtioribus ſegmentis, receptaculis florum griſeis. MICH. *Gen. p.* 94. *n.* 6. *Tab.* 51. *fig.* 4.

Pſora muralis.

Blaſſe gelbgrünlichte Schuppenflechte. Steinkrätze.

Habitat in Europae tectis praeſertim ſchiſteis, tegulis, in lapidibus praeſertim cotaceis, aſſeribus, trabibusque putridis.

Cruſta orbicularis vel ovata, quandoque irregularis foliolis conſtat numeroſiſſimis, invicem appreſſis, etiam imbricatis, ſaxis lignisve arctiſſime adnatis, ſic ut niſi fruſtulatim poſſint abradi; anguſtis, linearibus, laciniatis, apice dilatatis, lobatis: lobis crenatis, bi-trifidis, rotundatis (a); colore in humido e glauco vel flavo-vireſcente, in ſicco magis

magis cinereo vel albido, apice leniter ſubfuſco, ſubtus et intus etiam albido; ſubſtantia craſſiuſcula calcaria. Scutellae numeroſae parvae, verſus centrum ſaepe ita acervatae ut pulvillos quaſi plano-convexos efforment; frequenter ſpatiola nuda in media cruſta relinqunt, quae foliola iuniora minima explent; ab initio orbiculatae concavae, diſco foliolis concolore, margine pallidiore, poſtea a mutua preſſione anguloſae inaequales, planiores, margine criſpo granulato (b) cinctae; diſco in humido convexo margineque tum plane obliterato, tubercula mentientes, demum in ſicco iterum ſubſidente, planiores; colore in ſaxis rufeſcente vel ſubfuſco. Saepiuſcule ſcutellae in foliaceam quaſi ſubſtantiam confluunt. Planta emortua in ochroleucum et fuſcum tendit colorem. Eſt etiam varietas quae ex meris foliolis minimis et ſcutellis intermixtis, absque foliolis ordine aliquo, ut in ſuperiori, circa marginem locatis componitur.

82.

LICHEN CÆSIUS.

Tab. XII. fig. 1.

Lichen cæſius; cruſtaceus imbricatus albido-cinereus, ſcutellis concoloribus, tuberculis pulverulentis cæſiis.

Pſora cæſia.

Himmelblaue Schuppenflechte, bläulichte Hügelkrätze.

Habitat in Europae ſaxis, lapidibus, tectis ſchiſteis, trabibusque ſepimentorum, etiam ſuper muſcos praeſertim Bryum pulvinatum LINN.

Cruſta albido-cinerea ab initio conſtat foliolis multifidis ſublinearibus (f), cinereo-albidis, laciniatis: laciniis divaricatis apice inciſis; dein roſulae fiunt orbiculares, maiores, unciales, biunciales diametro (a b), foliola latiora, apice praeſertim, ſubconvexa, laciniata: laciniis divaricatis; terminalibus faſtigiatis, truncatis, bi-trifidis, inciſis, crenatis (c), primum gibbis, poſtea ſubito inflexis; colore cinereo-albicante; extremae laciniae in dilute caeruleum tendunt colorem, ſubtus albicant, verſus marginem leviter vireſcunt, radiculis minimis nigris, per lentem ſaepe bifidis, obſitae et arctiſſime ſaxis adnatae. Centrum cruſtae ubique copioſis tectum tuberculis, ſubrotundis, vel ex ſuperficie

cie et margine (e), vel ex apice foliorum erumpentibus, pulverulentis, caeruleis, colore fere ut caeruleum montanum (Bergblau); per lentem ex albo et nigro pulvere mixto conſtare apparent, inter digitos contrito virideſcente. Scutellae (d) tuberculis hinc inde immixtae ſunt, ab initio minimae, concavae, cruſta concolores; adultiores nigricantes margine tenui cinctae; in humido ſubfuſcae, ſaepe a mutua preſſione irregulares, margine granulatae. Hic Lichen humectatus colorem non mutat, inter digitos contritus virideſcit. Aetate foliola verſus centrum fuſceſcunt, ambitu ſenſim corrupta, evaneſcunt.

83.

LICHEN GRANOSUS.

Lichen granoſus; imbricatus: foliolis oblongis lobatis, inciſis, cinereis, laevibus, ſcutellis nigris margine crenulato. SCHREB. *Spicil.* *p.* 128. *n.* 1122.

Lichen pulmonarius, ſaxatilis, farinaceus, albus, foliis pulpoſis, ad extremitatem magis complanatis, receptaculis florum cinereis. MICH. *Gen.* *p.* 94. *n.* 8. *Tab.* 51. *fig.* 3.

Pſora granoſa.

Körnigte Schuppenflechte.

Habitat in tectis ligneis putridis, ſalicibus.

Orbiculatus, cinereus, continuus, rugoſus, ſegmentis in ambitu imbricatis, oblongis, varie flexuoſis, diviſis, ſinuatis crenatisque. Scutella in diſco plurima, conferta, ſaepiusque granulis minimis, punctatis, ſcutellorum rudimentis, diſtincta, margine crenato ſ. granoſo, diſco fuſconigricante, ab initio pellicula cinerea tecto, qua abſcedente omnino nigricant. Sequenti (Lich. pulverul.) quodammodo ſimilis, ſed colore, aliisque attributis ſatis diverſus eſt. SCHREB. *l. c.*

84.

LICHEN PALLESCENS.

Tab. X. fig. 1. 2.

Lichen palleſcens; cruſtaceus imbricatus orbicularis, ſcutellis pallide fuſcis; margine crenulato.

Lichen

Lichen fronde laciniata appreſſa cervina concolore. HALL. *Hiſt.* *n.* 2024.

Lichen palleſcens. NECK. *Gallob.* *p.* 503. WEIS. *Crypt.* *p.* 47. POLLICH. *Palat.* *n.* 1095. LIGHTF. *Fl. Scot.* *p.* 812. 813.

Lichen palleſcens fronde germinante ſuborbiculari ſcutellifera difformi, primordialibus nudis granuloſis viridulis. NECK. *Meth.* *p.* 54.

Lichen pulmonarius, ſaxatilis, farinaceus, ex albo ſubcinereus, foliis pulpoſis, pulverulentis, receptaculis florum griſeo-rufis. MICH. *Gen.* *p.* 94. *n.* 7. *Tab.* 51. *fig.* 5.

Lichenoides cruſtoſum orbiculare incanum. DILL. *Hiſt. muſc.* *p.* 135. *Tab.* 18. *fig.* 17.

Pſora palleſcens.

Hirſchgraue Schuppenflechte.

Pale glaucous Lichen. *Anglis.*

Habitat in Europae lapidibus, aſſeribus trabibusque putridis.

Cruſta ab initio in orbiculos parvos ſenſim maiores expanſa, rugoſa: rugis ex centro verſus peripheriam ductis; ubique pulvere cinereo-viridi vel cinereo-albido conſperſa; margine conſtat foliolis latiuſculis tenuiſſimis (b), albido-cinereis, multifidis: laciniis laciniatis, tenuiſſime crenulato-ſinuatis; in humido ſubcervinis molliuſculis, in ſicco appreſſis; ſubtus cinereo-albidis, verſus apicem et foliolorum marginem ſubfuſcis, radiculis breviſſimis apice ſaepe fiſſis, baſi nigricantibus, obſitis. Cruſta denique plane in pulverem reſoluta, inaequalis et gibboſa fit, rariſſime hinc inde ſcutellae circa marginem locatae ſubfuſcae proveniunt. Alia ſpecimina (fig. 2.) nec ita pulverulenta ſunt, ſcutellis numeroſis obſita, arcte confertis; iuniores ſcutellae (a) concavae, margine tenui concolore, interius crenulato inſtructae, adultiores planae (b), margine criſpo pulverulento; demum convexae irregulares (c); in humido colore cervino vel pallide fuſco, in ſicco rufo-fuſco vel nigricante, ex apice foliolorum provenientes pedunculatae quaſi apparent (d). Foliolorum forma in hiſce magis eroſa, inaequalis, quae ſenſim evaneſcunt, et globulae ſolidariae irregulares cum paucis ſcutellis tuberculoſis, remanent.

85.

LICHEN ORBICULARIS.

Tab. IX. fig. 1.

Lichen orbicularis; cruſtaceus imbricatus, foliolis margine verrucoſis pulverulentis, ſcutellis fuſco-nigricantibus.

Lichen fronde ſemipinnata rotunde lobata cinerea ſcutellis nigris. HALL. *Hiſt. n.* 2016? LEERS. *Herb. n.* 951.

Lichen orbicularis; fronde germinante deformi: ſcutellifera tuberculata, primordialibus farinoſis. NECK. *Method. p.* 88.

Lichen fronde cinerea profunde laciniata rotunde lobata, ſcutellis ſubfuſcis. NECK. *Del. Gallob. p.* 509.

Lichen pulmonarius, minor, ſuperne cinereus, inferne nigricans, receptaculis florum atro-rubeis; externa parte verrucoſis. MICH. *Gen. p.* 91. *Tab.* 43. *fig.* 3?

Lichenoides glaucum orbiculare, ſegmentis latiuſculis, ſcutellis nigris. DILL. *Hiſt. muſc. p.* 177. *Tab.* 24. *fig.* 71?

Pſora orbicularis.

Kreisförmige Schuppenflechte.

Habitat in cortice arborum inprimis Carpini.

Cruſta ab initio in orbiculos expanſa (a b), cortici appreſſos, tamen facile ſeparabiles, foliolis (c) conſtat imbricatis, multifidis, apice obtuſis, bi-trifidis, crenulatis, ſupra in humido ſaturate viridibus, in ſicco cinereo-glaucis; ſubtus radiculis nigerrimis denſe obſitis; margine et centro foliolorum prominent tubercula (d), quae polline, in humido ex viridi flaveſcente, in ſicco albicante effloreſcunt. Cruſta poſtea ſenſim magis expanſa, foliola centro ac ubique denſe ſine ordine coagmentata, margineque elevata, margine et apice tuberculis polliniferis obſita, ſcutellis hinc inde perparvis intermixtis; quae ſenſim maiores fiunt diſco ſubfuſco, in ſicco nigricante, margine cruſta concolore, in adultioribus crenulato cinctae; cruſta tum valde irregularis magisque deſtructa apparet; demum granuloſa; quae granula, renaſcitura iuniora foliola eſſe videntur.

ORDO

ORDO VI.

LICHENES IMBRICATI FOLIACEI.

MICH. *Gen. Pl. Ord. XIX. XXII. XXIII. XXV. p.* 89—94.

LICHENES IMBRICATI.

LINN. *Syſt. Veget.* 985.

LICHEN.

Foliolis imbricatis linearibus.

86.

LICHEN CILIATUS.

Tab. XIV. fig. 1.

Lichen ciliatus; imbricatus foliolis linearibus multifidis, obſcure viridibus, ſcutellis pullis ciliatis.

Lichenoides arboreum cruſta folioſa vireſcente tenuiter et eleganter diſſecta, ſcutellis nigris. RAI. *Syn.* 74. *n.* 73?

Lichen pulmonarius, Alpinus, foliis anguſtiſſimis, eleganter diviſis, ſuperne e cinereo vireſcentibus, inferne nigricantibus, et cirroſis, receptaculis florum fuſcis, coronatis, ſeu folioſis. MICH. *Gen. p.* 91. *Tab.* 43. *fig.* 4?

Lichenoides viride ſegmentis anguſtis diſtortis, ſcutellis pullis. DILL. *Hiſt. muſc. p.* 178. *Tab.* 24. *fig.* 72.

Lichen ciliatus.

Augenwimprige Blätterflechte.

Habitat in cortice arborum praeſertim Fagi, Iuglantis.

Foliola linearia tenuiter diviſa, laciniis linearibus huc illuc flexis; approximata, vel in orbem expanſa (b), vel hinc inde ſparſa (a); ſupra in humida ſordide viridia, per ſiccitatem cinereo-glauca, adultiora nigricantia; ſubtus nigra crebris cirris corticibus arborum arcte adnata. Scutellae ſuperficiei foliolorum vel laciniarum margini innaſcuntur parvae, diſco fuſco pulloque, in ſicca nigricante, margine in recenti foliolis concolore, in ſicca planta cinero-albido, integerrimo, inſtructae,

ctae, cui externe cilia tenuiſſima, absque lente vix diſcernenda, per lentem vero ſatis robuſta, nigra (c), denſe in exteriori ſeu concava ſcutellarum parte locata (d) adnaſcuntur. Huius Lichenis aliae varietates occurrunt, foliolis nunc denſe imbricatis, absque ullo ordine ſtratis, margine tuberculoſis, pulvere glauco effloreſcentibus; quo delapſo ſcyphuli a DILLENIO ſic nominati et in citata figura depicti remanent; in aliis cruſta craſſa fere granuloſa (e) paucis intermixtis foliolis, ſcutellis ampliſſimis planis, irregularibus, margine plicatis inſtrata. Lich. orbiculari proxime accedit, ſed bene oculatum ut inquit DILLENIUS requirit inſpectorem.

87.

LICHEN DIFFUSUS.

Lichen diffuſus; imbricatus foliolis anguſtiſſimis multifidis, in centro pulverulentis; ſcutellis ſubfuſcis.

Lichen diffuſus; imbricatus, fronde lineari, multifida, in centro pulverulenta; verſus margines ſcutellifera, colore conſtanter ex glauco albeſcente. WEB. *Spicil. p.* 250. *n.* 278?

Lichen diffuſus.

Runde ausgebreitete Blätterflechte.

Habitat in lapidibus, tectorum tegulis, promiſcue cum L. murali, etiam in arborum cortice.

Foliola in roſulas orbiculares expanſa, denſe approximata, imbricata, tenaciter ubique adnata, anguſta, ſubconvexa, multifida, laciniata: laciniis apice dilatatis inciſis; ſupra conſtanter ex cinereo glauca, vel albida, ſubtus albida vel fuſca, cirris breviſſimis nigricicantibus obſita; verſus centrum pulverulenta materia, ſordide fuſca, ita obducta, ut aegrae laciniae foliolorum diſtingui poſſint. In media fronde foliola plane deficiunt et macula tandum nuda apparet. Scutellae ſi adſint, in margine frondis et foliorum ſuperficie locatae, parvae, orbiculares, planae, in diſco ex glauco fuſcae vel ſubfuſcae, margine foliolis concolores integerrimae. A Lich. ſtellari quem admodum aemulatur, frondibus centrifugis, pulverulentis, ſcutellis ſordide fuſcis, et loco natali facile differt.

88.

88.

LICHEN STELLARIS.

Tab. XIII. fig. 1. 2.

Lichen ſtellaris; imbricatus: foliolis oblongis laciniatis anguſtis cinereis, ſcutellis pullis. LINN. *Syſt. Veget. Ed.* 14. *p.* 959. *n.* 45. *Syſt. Pl.* 4. *p.* 535. *n.* 37. *Fl. Suec. n.* 1082. MÜLL. *Frid.* 212. NECK. *Gallob. p.* 510. WEIS. *Crypt. p.* 66. SCHREB. *Spicil. p.* 127. *n.* 865. LEERS. *Herb. n.* 954. POLLICH. *Palat. n.* 1105. LIGHTF. *Fl. Scot. p.* 824. MATTUSCHK. *Sil.* 856. EIUSD. *Enum. n.* 1081. RETZ. *Prodr. n.* 1353. HUDS. *Angl. Ed.* 2. *p.* 534. HAGEN. *Hiſt. Lich. p.* 77. *n.* 40. LEYS. *Halenſ. Ed.* 2. *n.* 1143.

Lichen fronde ſemipinnata, cinerea, obtuſe lobata, ſcutellis glaucis nigreſcentibus. HALL. *Hiſt. n.* 2017.

Lichen foliaceus, repens, coriaceus, criſpus; ſcutellis atris. SCOP. *Fl. Carn. Ed.* 1. *p.* 107. *n.* 45.

Lichen ſtellaris. SCOP. *Carn. Ed.* 2. *n.* 1401.

Lichen fronde cineraſcente lineari-multifida: ſcutellis fuſcis. NECK. *Meth. p* 89.

Lichenoides cinereum, ſegmentis argutis ſtellatis, ſcutellis nigris. DILL. *Hiſt. muſc. p.* 176. *Tab.* 24. *fig.* 70.

Lichen ſtellaris.

Sternförmige Blätterflechte.

Geſternd Schurftmos. HOUT. *nat. Hiſt. T.* 2. *St.* 14. *p.* 516.

Starry Lichen. *Anglis.*

Habitat in Europae arborum cortice.

B.

Tab. XIII. fig. 1.

Lichen imbricatus: foliolis oblongis laciniatis, laciniis latioribus, ſcutellis nigris.

Lichen pulmonarius, vulgatiſſimus, ſuperne albo-cinereus, inferne nigricans, ſegmentis anguſtis, et eleganter diviſis, receptaculis florum nigricantibus. MICH. *Gen. p.* 91. *Tab.* 43. *fig.* 2.

Lichenoides arboreum cruſta folioſa informi, ſcutellis ſubnigris limbo cinereo criſpo cinctis. RAI. *ſyn.* 75. LIGHTF. *Fl. Scot. p.* 824. (*var. β. Lich. Stell.* ?) HUDS. *Angl. Ed.* 2. *p.* 534. (*var. γ. Lich. Stell.* ?)

Habitat in cortice arborum.

C.

Tab. XIII. fig. 1. c.

Lichen imbricatus: foliolis anguſtioribus, tenuiter laciniatis, ſcutellis cinereo-nigris.

Lichen orbicularis, foliolis anguſtioribus, minus laxis, etiam ad margines radicatis. SCHREB. *Spicil. l. c. var.*

Lichenoides arboreum cruſta folioſa, vireſcente, eleganter et tenuiter diviſa, ſcutellis nigris. RAI. *ſyn.* 72. DILL. *Cat. Giſſ. p.* 207. HUDS. *Fl. Angl. Ed.* 2. *p.* 534. (*var. β. Lich. Stell.* ?)

Lichen pulmonarius, minimus, arboribus innaſcens, ad margines radicatus, deſuper cinereus, ſubtus albus, receptaculis florum fuſcis. MICH. *Gen. p.* 93. *Ord. XXIX?*

Habitat in ramulis arborum.

D.

Tab. XIII. fig. 1. a.

Lichen imbricatus: foliolis anguſtiſſimis minus ramoſis, tuberculis farinoſis albidis.

Lichen pulmonarius, minimus, arboribus innaſcens, ad margines radicatus, ſuperne cinereo-fuſcus, inferne anthracinus, receptaculis florum fuſcis. MICH. *Gen. p.* 93. *Tab.* 51. *Ord. XXIX?*

Habitat cum priori.

Foliola in orbem ſtelliformiter diſpoſita ſunt, imbricata, approximata, varie laciniata: laciniis anguſtis linearibus convexiuſculis, diviſis, apice plerumque trifidis; in ſicca cinereo-albidis, in humida planta, ex cinereo viridibus, vel caeſiis; ſuperne glabra, inferne albida, verſus marginem leviſſime nigricantia, radiculis albidis apice nigris fiſſis, obſita. Scutellae verſus interiorem foliorum partem copioſae, ab initio parvae, in ſuperficie foliolorum ubique erumpentes, ſubrotundae, in medio quaſi acicula perforatae; poſtea vero augentur, et

et diſcus ex cinereo nigreſcens, per lentem pulvere albido conſperſus apparet, margine foliolis concolore cinctus. In var. B. foliola in orbem expanſa, imbricata, laciniata: laciniis multifidis, craſſioribus, albo-cinereis, glabris, apice bi-trifidis. Scutellae verſus centrum denſe acervatae iam ab initio nigrae, margine tumidulo cinereo, dein maiores expanſae, irregulares, diſco nigerrimo, margine tenui cinctae. In var. C. foliola in parvos orbiculos congeſta, eleganter et tenuiſſime laciniata; ſcutellae ſparſae, diſcus cinereo-nigricans, margine foliolis concolore rotundo cinctus. A Lich. ſtellari tantum magnitudine differt. In var. D. orbiculi parvi ſtellatim expanſi conſtant foliolis peranguſtis, linearibus, minus ramoſis, apice trifidis, cortici arcte appreſſis; in foliolorum ſuperficie et apice cuticula disrupta tubercula farinoſa albida prominent. Occurrit etiam Lich. ſtellaris foliolis absque ordine ſtratis, laciniatis: laciniis peranguſtis, linearibus, baſi granuloſis (b): granulis concoloribus non farinoſis, ſcutellis hinc inde ſparſis minoribus.

89.

LICHEN STELLARIFORMIS.

Lichen ſtellariformis; foliolis oblongis planis laciniatis, ſcutellis fuſcis.
Lichen ſtellariformis.
Sternähnliche Blätterflechte.
Habitat in cortice arborum.

Foliola in orbem diſpoſita laciniata: laciniis apice dilatatis, lobatis, inciſis, crenatis, complanatis; ſuperne cinereo-albida, inferne leviſſime fuſca, radiculis copioſis, nigricantibus obſita. Scutellae quae in media foliorum parte proveniunt maiores ſunt, minores circa extremitates diſtributae, diſco fuſco, margine integerrimo albido, inſtructae; illae fuſco-nigricantes, margine tenui albido cinctae. A *Lich.* ſtellari differt: foliolis latioribus planis, margine lobatis, crenulatis, ſcutellis fuſcis.

90.

LICHEN FUSCUS.

Lichen fuſcus; imbricatus foliolis multifidis linearibus ſubfuſcis, ſcutellis fuſco-atris. HUDS. *Fl. Angl. Ed.* 2. *p.* 533.

Lichen pullus; imbricatus foliolis perangustis implexis laciniatis fuſcis, ſuperne convexis apicibus demiſſis, ſcutellis pullis. LIGHTF. *Fl. Scot. p.* 825.

Lichenoides anguſtifolium fuſcum, ſcutellis pullis. DILL. *Hiſt. muſc. p.* 175. *Tab.* 14. *fig.* 69.

Lichen pulmonarius, ſaxatilis, farinaceus, ex fuſco nigricans, foliis anguſtiſſimis, et creberrimis, receptaculis florum ferme nigris. MICH. *Gen. p.* 95. *Tab.* 51. *fig.* 6.

Lichen fuſcus.

Braune Blätterflechte.

Small-cut brown Lichen. *Anglis.*

Habitat in ſaxis et rupibus.

Foliola numeroſa denſe imbricata et implexa, anguſta, laciniata: laciniis convexis apice deflexis; ſuperne glabra fuſca, inferne obſolete albicantia, crebris radiculis nigris per margines et e media inferiore parte demiſſis, in cruſta atra fibroſa e cirris putridis conflata radicatis, nec facile ab ea ſine ruptura liberandis. Scutellae planae in ſicca nigricantes, tenui margine albicante criſpo cinctae, humidae e nigro fuſcae, prominentes marginemque tegentes. Ipſe hunc Lichenem nondum obſervavi, ſed eius deſcriptionem ex DILLENII *Hiſt. muſc.* et LIGHTFOOTII *Flor. Scot.* anglica lingua ſcripta mutuatus ſum.

91.
LICHEN RIGIDUS.

Lichen rigidus; imbricatus, foliolis teretibus compreſſis ramuloſo-multifidis, atris centrifugis, ſcutellis ſeſſilibus concavis concoloribus. LINN. *Syſt. Veget. Ed.* 14. *p.* 959. *n.* 42.

Lichen fruticoſus durus niger repetito dichotomus. HALL. *Hiſt. n.* 1966. *Tab.* 47. *fig.* 1.

Lichen rigidus. IACQ. *Miſc. Vol.* II. *p.* 86. *Tab.* 9. *fig.* 6.

Coralloides corniculatum, fuci tenuioris facie. DILL. *Hiſt. muſc. p.* 118. *Tab.* 17. *fig.* 37.

Lichen rigidus.

Steiffe

Steiffe Blätterflechte.

Habitat in rupibus alpinis.

Foliolis conſtat ſive ex uno omnia centro, ſive ex pluribus contiguis abeant, ceſpitoſis, arbuſculas aut cauliculos ramuloſos repraeſentantibus, vix dimidium pollicem ſuperantibus, teretibus, nonnihil compreſſis, inordinate ramuloſis, ramis breviſſimis, glabris, nitentibus, ſupra infraque aterrimis, ſubſtantiae intrinſecae niveae, procumbentibus, ſuper ſe invicem imbricatis, exacte aut minus exacte centrifugis. Scutellae, dum adſunt, hemiſphaerico-concavae ſunt, ſeſſiles, pariter atrae et nitentes. IACQ. *l. c.* Filamentoſis adſociavit HALLERUS, ſed ob imbricata foliola et ſcutellas huic ordini adnumerandus eſt Lichen.

92.

LICHEN STYGIUS.

Tab. XIV. fig. 2.

Lichen ſtygius; imbricatus, foliolis palmatis recurvis atris. LINN. *Syſt. Veget. Ed.* 14. *p.* 959. *n.* 39. *Syſt. Pl.* 4. *p.* 533. *n.* 32. *Fl. Suec.* 2. 1079. GUNN. *Fl. Noru.* 550. RETZ. *Prod. Scand. n.* 1350.

Lichen ſtygius.

Swartze Smalblättrige Blätterflechte.

Helſch Schurftmos. HOUT. *nat. Hiſt. T.* 2. *St.* 14. *p.* 514.

Habitat in Europae rupibus, praeſertim Sueciae et inſulae Baltici Blåkulla.

Foliola late ſparſa, denſe congeſta et imbricata, lineari-multifida, dichotoma, apicem verſus laciniata, palmata, recurva; laciniis extremis bifidis, obtuſis, vel in breves radiculas attenuatis; ſupra glabra ex bruneo atra, ſubtus medium verſus atra, extremitatibus foliorum ex nigro fuſcis. Scutellae copioſae orbiculatae foliolis concolores, ab initio concavae margine obtuſo crenulato cinctae (a), demum ampliſſimae, diſco plano, margine inciſo crenulato vel lobato inſtructae (b), diſco concolore, ſubtus pallidiore. In ſicco ſubſtantia interior foliolorum et ſcutellarum albida apparet. Cl. EHRHART depictum ſpecimen in Suecia collegit et mecum benigne communicavit.

93.
LICHEN PULVERULENTUS.
Tab. XII. fig. a.

A.

Lichen pulverulentus; imbricatus; foliolis lobatis crenatis obtuſis viridibus, polline conſperſis, ſcutellis nigris margine crenatis. SCHREB. *Spicil. p.* 128. *n.* 1123. WEB. *Spicil. n.* 276.

Lichen omphalodes; imbricatus, foliolis multifidis glabris obtuſis incanis, punctis vagis eminentibus. LINN. *Syſt. Veget. Ed.* 14. *p.* 959. *Syſt. Pl.* 4. *p.* 532. *n.* 29.? *Fl. Suec.* 2. 1067. LEERS. *Herb. n.* 942. POLLICH. *Palat. n.* 1100. LIGHTF. *Fl. Scot. p.* 818. HUDS. *Fl. Angl. Ed.* 2. *p.* 532.

Lichen omphalodes; fronde multifida ſupra nitida ſubtus villoſo-atra; ſcutellis concavis fronde concoloribus. NECK. *Meth. p.* 99.

Lichen nigricans omphalodes. VAILL. *Pariſ. p.* 116. *Tab.* 20. *fig.* 10.

Lichen pulmonarius, tinctorius, foliis eleganter et tenuiter diviſis, inferne nigricantibus, et cirroſis, ſuperne purpureis, et lacunatis, receptaculis florum concoloribus. MICH. *Gen. p.* 90. *Tab.* 49. *fig.* 2.

Lichenoides ſaxatile tinctorium, foliis piloſis purpureis. DILL. *Hiſt. muſc. p.* 185. *Tab.* 24. *fig.* 80?

Lichen pulverulentus.

Beſtäubte Blätterflechte.

Navelachtig Schurftmos. HOUT. *nat. Hiſt. T.* 2. *St.* 14. *Tab.* 103. *fig.* 9?

Habitat in cortice arborum praeſertim ſalicum, in lapidibus.

a.

Lichen imbricatus, foliolis lobatis crenatis obtuſis viridibus ſcutellis innumeris granulis permixtis.

Habitat in cortice arborum, ſcandulis putridis.

b.

Tab. XII. fig. a. c.

Lichen imbricatus, foliolis lobatis latioribus criſpis, margine polline conſperſis, ſcutellis paucioribus, ſparſis.

Habitat in cortice arborum, praeſertim Tiliarum.

c.

c.

Tab. XII. fig. a. b.

Lichen imbricatus foliolis lobatis laciniatis convexis, apice involutis, ſcutellis margine integris.

Habitat in cortice arborum.

Foliola imbricata approximata in orbem expanſa, ſublinearia, multifida, bi-trifida, apice obtuſa, crenulata, margine primum depreſſa, dein elevata; in recenti eleganter et ſaturate viridia, ſenſim ex cinereo viridia, demum in ſicca planta cana vel cinereo albida; polline albido, praeſertim in ambitu, perſperſa; aetate ſpadicea, lurida, glabra ſaepe nitentia; ſuperne lacunulis ſuperficialibus impreſſa, inferne in iunioribus incana, demum fuſco-atra, copioſis radiculis nigris arcte adfixa. Scutellae in ſuperficie foliolorum ut tubercula vel granula minima margine involuta, propullulant, in medio copioſe congeſtae, cancrorum calculis ſimiles, foliolis primum concolores, diſco farina cinerea obducto, margine concolore, craſſo, obtuſo, aequali cinctae, poſtea farina ſecedente nigrae, margine tenuiori, crenato criſpato, irregulari, angulato aut compreſſo inſtructae (a). In ſaxis non raro foliola ſunt anguſtiora, varie diviſa, extremitatibus bifidis, colore ex glauco albicante. In var. a. ſcutellae innumeris granulis, demum in folia abeuntibus permixta ſunt, ſcutellae irregulares, margine granulato cinctae. In var. b. foliola in orbem expanſa, latiora, margine criſpa, per lentem pulvere viridi-flaveſcente adſperſa (b); ſcutellae ſparſae, margine integrae. In var. c. folia laciniata, arcte appreſſa etiam margine, ſubconvexa, pulvere albido adſperſa, in ſuperficie punctis eminentibus, ſeu iunioribus ſcutellis obſita; ſcutellae integerrimae ab initio diſco cinereo, margine laevi, albido, dein crenulato diſco fuſco-nigro inſtructae.

94.

LICHEN ANGUSTATVS.

Tab. XI. fig. a.

B.

Lichen anguſtatus; imbricatus foliolis linearibus diffuſis crenatis, punctis eminentibus nigris.

Lichen

Lichen anguſtatus.
Schmale Blätterflechte.

Habitat in cortice arborum.

Foliola diffuſa absque ordine imbricata, anguſta, linearia, divaricata, apice bifida vel crenata, obtuſa (a), cinereo-fuſca, per lentem pulvere albido tenuiſſime adſperſa (b), ſubtus nigris radiculis margine prominentibus denſe obſita; margine albida. Scutellae nullae, ſed eorum loco in foliolorum ſuperficie puncta nigricantia (c) in medio perforata prominent. Cum priori omnibus notis convenit niſi quod foliola nunquam latiora fiant et ſcutellae ſemper deſint. In humida planta foliola etiam ſaturato virore tincta apparent.

** *Foliolis imbricatis latioribus.*

95.

LICHEN CENTRIFUGUS.

Tab. X. fig. 3.

Lichen centrifugus; imbricatus, foliolis obſolete multifidis laevibus flaveſcentibus centrifugis, ſcutellis rufo-fuſcis. LINN. *Syſt. Nat.* 720. *n.* 18. SCHREB. *Spicil. p.* 129. *n.* 1125.

Lichen centrifugus; imbricatus, foliolis obſolete multifidis laevibus albidis centrifugis; ſcutellis rufo-fuſcis. LINN. *Syſt. Veget. Ed.* 14. *p.* 958. *n.* 34. *Syſt. Pl.* 4. *p.* 531. *n.* 27. *Fl. Suec.* 2. 1074. WEIS. *Crypt. p.* 54. LEERS. *Herb. n.* 940. GUNN. *Norv. n.* 568. DOERR. *Naſſ. p.* 296. POLLICH. *Palat. n.* 1097. LIGHTF. *Fl. Scot.* 814. HUDS. *Angl Ed.* 2. *p.* 530. MATTUSCHK. *Sil.* 850. EIUSD. *Enum. n.* 1075. RETZ. *Prodr. Scand. n.* 1345. HAGEN. *Hiſt. Lich. p.* 67. *n.* 33. LEYS. *Halenſ. Ed.* 2. *n.* 1138.

Lichen fronde ſemipinnata, rotunde lobata, craſſe villoſa, ſcutellis peramplis. HALL. *Hiſt. n.* 2015.

Lichen centrifugus; fronde germinante pulverulenta, ſubrotunda, ſubtus villoſo-atra: frondulis interioribus centrifugis. NECK. *Meth. p.* 99.

Lichen pulmonarius ſaxatilis, tenuiter laciniatus, eleganter ſulphurei coloris. BUXB. *Cent. Tab.* 7. *fig.* 3.

Lichen

Lichen foliis planis multifidis obtuſis, laciniatis linearibus, calicibus concavis. *Fl. Lapp. n.* 448. *Tab.* 11. *fig.* 2.

Lichen pulmonarius, ſaxatilis, tinctorius, tenuiter diviſus, inferne nigricans, deſuper e ſulphureo cinereus, receptaculis florum amplioribus, fuſcis. MICH. *Gen. p.* 86. *n.* 3.

Lichenoides imbricatum viridans, ſcutellis badiis. DILL. *Hiſt. Muſc. p.* 180. *Tab.* 24. *fig.* 75. *A. B.*

Lichen centrifugus.

Concentriſche Blätterflechte.

Lichen centrifuge. DE LAMARCK *Fl. Franc. p.* 78.

Middelpunt Schuuwend Schurftmos. HOUT. *Nat. Hiſt. T.* 2. *ſt.* 14. *p.* 511. *n.* 27.

Winter-moſſa. *Suecis. Norvegis.*

Greenish chesnut - ſchielded Lichen. *Anglis.*

Habitat in Europae rupibus, lapidibus, etiam arboribus et aſſeribus putridis.

B.

Lichen foliis imbricatis linearibus albidis, ſcutellis parvis confertis. *Habitat* in ſaxis.

Foliola in orbem diſpoſita, imbricata, orbiculum plerumque efformant tres quatuor uncias in diametro latum, laxe ſaxis adnatum; ex centro ad peripheriam ſenſim latiora ducta; interiora centrifuga, linearia, laciniata, laciniis anguſtioribus; exteriora (c) latiora; multifida, laciniis per ambitum inaequaliter crenatis obtuſis, margine paululum deflexis; ſuperne ſubrugoſa, colore ex viridi et ſulphureo cum cinereo mixto, in ſicca magis vireſcente, etiam albido vel glauco; glabra quidem ſed punctis nigricantibus in ſuperficie hinc inde conſperſa, quae per lentem ut mera tubercula fuſca apparent, quibus alia obſcure vel ex cinereo virentia ita copioſe inmixta ſunt tubercula, ut tota interior Lichenis pars, circa ſcutellas praeſertim, ex innumeris villis ramoſis, pulverulentis conſtare videatur. Per lentem (a b) haec tubercula arbuſculis ramoſis vel cylindris denſe ſtipatis

non diſſimilia, et apice globulum ovatum puncto notatum, olivae conditae coloris, affixum habent. Folia margine fere libera et elevata, nigricantia, inferne exteriori parte fuſca, interiori nigra (albida et nivea deſcripſit Linnaeus in Flor. Lapp.) radiculis nigris breviſſimis coniformibus, rarius fiſſis obſita, ſubſtantia diffracta intus albida. Scutellae concavae numeroſae, ſaepius centrifugae, denſe tamen verſus centrum congeſtae, ab initio ſubgloboſae, dein hemiſphaericae amplae, tandem plano - convexae; margine ſubcrenulatae aut pulverulentae, varie majores plicatae, pedunculo breviſſimo affixae, reliqua parte undique liberae, externa convexa parte, ſubrugoſae, eodem cum foliis colore, etiam pallidiore, interna excavata parte colore badio, vel ex vireſcenti rufo, demum rufo - fuſco et nigricante. Foliis occurrit jam anguſtioribus jam latioribus. In var. B. folia omnia anguſtiſſima, lineari - laciniata, et a centro denſos ſuos quaſi diſpergunt radios, inciſos et diffractos ſaepius; adpreſſae et ubique arctiſſime lapidi adnatae laciniae nullo modo ſeparari poſſunt, colore pallide luteo - viridi, vel albeſcente. Scutellae minimae copioſae, congeſtae, lapidea fere duritie, tenuiſſimo vix viſibili margine cinctae, demum planae vel ſubconvexae anguloſae, colore ſordide vireſcenti, fuſco. Conſtitueret propriam potius ſpeciem, niſi primo adſpectu et habitu cum priori magnam oſtenderet affinitatem.

96.

LICHEN FAHLVNENSIS.

Tab. XVII. fig. 2.

Lichen fahlunenſis; imbricatus, foliolis linearibus dichotomis planiuſculis acutis nigris, ſcutellis atris. LINN. *ſyſt. Veget. Ed.* 14. *p.* 959. *n.* 38. *Syſt. Pl.* 4. *p.* 533. *n.* 31. *Fl. Suec. Ed.* 2. *n.* 1078. WEB. *Spicil. p.* 251. LIGTHF. *Fl. Scot. p.* 819. HVDS. *Fl. Angl. Ed.* 2. *p.* 532. RETZ. *Prod. Scand. n.* 1349.

Lichen fronde utrinque nigerrima laciniata, ſcutellis concoloribus. HALL. *Hiſt. n.* 2020.

Lichen

Lichen fahlunenſis; fronde utrinque anthracina lineari - multifida: ſcutellis concoloribus. NECK. *Meth. p.* 101.

Lichenoides tinctorium atrum, foliis minimis criſpis. DILL. *Hiſt. Muſc. p.* 188. *Tab.* 24. *Fig.* 81.

Lichen fahlunenſis. JACQ. *Miſc. Vol.* II. *p.* 90. *Tab.* 10. *Fig.* 2.

Lichen fahlunenſis.

Schwarze Fahluns Blätterflechte. Pechflechte.

Fahluns Schurftmos. HOUT. *Nat. Hiſt. T.* 2. *ſt.* 14. *p.* 513. *n.* 30.

Fahlu - mâſſa. *Suecis.*

Small black Cork Lichen. *Anglis.*

Habitat in Europae rupibus.

B.

Lichen foliis anguſtis linearibus dichotomis obtuſis nigris.

Lichenoides ſaxatile tinctorium, foliis piloſis purpureis.* DILL. *Hiſt. Muſc. p.* 185. *Tab.* 24. *Fig.* 80. *A. B.*

Habitat in rupibus.

Folia late et varia forma magis tamen in rotundam expanſa, arcte imbricata et implexa, multifida, dichotoma, laciniata: laciniis crenulatis criſpis, acutis, in majoribus et extremis foliolis obtuſis; margine elevata, ut laciniae vel carinatae vel lacunoſae potius quam planae appareant; colore ſuperius in humectato Lichene ſordide viridi vel fuſco, in ſicco caſtaneo, demum nigro, nitido; ſubtus foliola extremitate ſua caſtanea in medio nigra. Lenti ſubjectae laciniae (d) valde irregulariter criſpae apparent, utplurimum margine tuberculis irregularibus oblongis progerminantibus, vel radiculis minimis nigris acutis, quae ex margine non ex inferiore parte prodeunt, obſitae. Media foliola (e) ſenſim ita anguſtantur, ut in radiculas abire videantur. Scutellae terminales, ab initio orbiculares concavae, margine tenui crenulato cinctae, majores ſemunciam non raro latae, planae peltarum in modum, denique convexae, inciſae margine, irregulari et incerta figura, plicatae in diſco. Color diſci ex caſtaneo niger, in madida planta vireſcens, in exſiccata et ſaepius madefacta penitus cum

 foliis

foliis ater fit, ſubtus ſordide viridis vel fuſcus, ſubrugoſus. Foliola intus celluloſa denſa albiſſima conſtant. Variat foliis tenuiſſimis criſpis, linearibus (c), ut in ſpecimine Vpſaliae a Cl. EHRHARTO lecto video, vel craſſioribus mediae latitudinis quod ex Bructero habeo, vel latioribus criſpis (b) crenulatis. Var. B. foliola habet dichotoma aequali latitudine, carinata, apicibus divaricatis obtuſis, copioſis ciliis marginalibus obſitis (a). Colore et ſtructura eadem cum priori. DILLENII citata figura huic optime reſpondet et forſan L. omphalodes LINN. vel tamen ſynonyma quaedam huc referenda. Scutellae in meo exemplari deſunt.

97.
LICHEN LANVGINOSVS.

Tab. X. fig. 4.

Lichen foliis planis multifidis, margine pulverulentis, ſubtus lanuginoſis.

Lichen criſpus, convolutus, fronde olivacea ſcrobiculoſa, marginibus polliniferis. HALL. *Hiſt.* 2012?

Lichen foliaceus repens lanuginoſus, papillis cinereis ramoſis obſitus, ſubtus ater. SCOP. *Fl. carn. Ed.* 1. *p.* 105. *n.* 39?

Lichen pulverulentus. SCOP. *Carn. Ed.* 2. *n.* 1398?

Lichen lanuginoſus.

Wollichte Blätterflechte.

Habitat in rupibus.

Foliola in orbem expanſa, lobata multifida, obtuſa planiuſcula, cervino, in ſicco glauco vel albido colore, nigredine tomenti tranſparente; laciniae undique liberae et erectae, farina cinerea adſperſae. Foliola ſubtus denſa lanugine atra obducta (a b), qua muſcis ſubſtratis et rupibus praeſertim adnaſci ſolent. Scutellae parvae, rariores, diſco ruſeſcente, margine tumido albido farinaceo cinctae. Aetate omnis Lichen fit farinaceus et conſtat cruſta craſſa cinerea, nigricante, et niſi foliola hinc inde ſuperſtita apparerent, vix eundem

eundem Lichenem diceres. Huic valde ſimilis exhibetur Lichen foliis pulpoſis, calcariis, glauco polline villoſis, ſcutellis atris. HALL. *Hiſt.* n. 2028? Cum L. palleſcente aliquam habet ſimilitudinem, ſed ab eo differt foliis margine pulverulentis, tomento ſubtus craſſo, nigro.

98.

LICHEN SAXATILIS.

A.

Tab. XV. fig. 1.

Lichen ſaxatilis; foliolis ſinuatis ſcabris lacunoſis, ſcutellis folio concoloribus. LINN. *Syſt. Nat. p.* 710. *Spec. Pl.* 2. *p.* 1609. *Fl. Suec. Ed.* 2. *n.* 1075. GUNN. *Norv. n.* 210. NECK. *Gallob. p.* 504. POLLICH. *Palat. n.* 1099? LIGHTF. *Fl. Scot. p.* 816. HVDS. *Fl. Angl. Ed.* 2. *p.* 531. THVNB. *Iap. p.* 344. ALLIONII *Fl. Pedemont n.* 2549.

Lichen foliis planis acute laciniatis rubiginoſo - albidis. *Fl. Lapp. p.* 447? ROY. *Lugdb.* 507.

Lichen laciniatus ſaxatilis. *Var.* α. WEIS *Crypt. p.* 55.

Lichen laciniatus. *Var.* α. HAGEN *Hiſt. Lich. p.* 68. *n.* 34.

Lichen cruſtae modo ſaxis adnaſcens tinctorius. TOURNEF. *Inſt. p.* 549.

Lichen nigricans omphalodes. VAILL. *Pariſ. Tab.* 20. *Fig.* 10. b?

Lichenoides ſaxatile tinctorum, foliis piloſis purpureis. RAI. *Syn.* 74.

Muſcus tinctorius cruſtae modo petris adnaſcens. RAI. *Hiſt.* 1. *p.* 116.

Lichen pulmonarius, tinctorius, foliis eleganter et tenuiter diviſis, inferne nigricantibus et cirroſis, ſuperne purpureis et lacunatis, receptaculis florum concoloribus. MICH. *Gen. p.* 90. *Ord.* XXII. *n.* 2. *Tab.* 49. *Fig.* 2.

Lichen tinctorius. *It. Scan.* 409. Lichen ſaxeus *ibid?*

Habitat in ſaxis lapidibus pleriſque, excepto calcareo.

B.

Tab. XVI. fig. 1.

Lichen ſaxatilis; imbricatus foliolis ſinuatis ſcabris lacunoſis, ſcutellis badiis. LINN. *Syſt. Veget. Ed.* 14. *p.* 958. *n.* 35. *Syſt. Pl.* 4. *p.* 531. *n.* 28. *Mat. Med. Ed.* 4. *n.* 637. LEERS *Herb. n.* 941. LIGHTF. *Fl. Scot. p.* 817. *Var.* β. HVDS. *Fl. Angl. p.* 531. *Var.* β. MATTVSCHK. *Sil.* 851. EIVSD. *Enum. n.* 1076. RETZ. *Prodr. Scand. n.* 1346. LEYS. *Halenſ. Ed.* 2. *n.* 1139.

Lichen ſubviridis, fronde ſemipinnata, rotunde lobata, lineis pulverulentis reticulata, inferne ſcabra, carbonaria. HALL. *Hiſt. n.* 2011.

Lichen foliaceus repens, reticulato - lacunoſus, inferne villoſus, ater, ſcutellis rubris. SCOP. *Carn. Ed.* 1. *p.* 104. *n.* 37.

Lichen ſaxatilis. SCOP. *Carn. Ed.* 2. *n.* 1396.

Lichen laciniatus arboreus (*Var.* β. *Lich. Saxat.*) WEIS *Crypt. p.* 56.

Lichen laciniatus. *Var.* β. HAGEN *Hiſt. Lich. p.* 68. *n.* 34.

Lichenoides arboreum purpuraſcens tenue et laeve, ſcutellis majoribus. RAI. *Syn.* 73. *Hiſt.* III. *p.* 30.

Muſcus cruſtae aut Lichenis modo arboribus adnaſcens cinereus. RAI. *Cat.* I. *p.* 213.

Lichenoides cruſta folioſa, ſuperne cinereo - glauca, inferne nigra et cirroſa, ſcutellis nigricantibus. *Cat. Giſſ. p.* 206. *Syn. Stirp. Brit.* III. *p.* 72.

Muſco - fungus Lichenoides minor cinereus vulgatiſſimus. MORIS. *Hiſt.* 3. *p.* 634. *S.* 15. *T.* 7. *f.* 6.

Lichen opere phrygio ornatus. VAILL. *Pariſ. Tab.* 21. *Fig.* 1.

Lichen pulmonarius, foliis eleganter diviſis, inferne nigerrimis et cirroſis, ſuperne lacunatis, ex glauco cinereis, receptaculis florum fuſco - vireſcentibus. MICH. *Gen. p.* 90. *Ord.* XXII. *n.* 1. *Tab.* 49. *Fig.* 1.

Lichenoides vulgatiſſimum cinereo - glaucum lacunoſum et cirroſum. DILL. *Hiſt. Muſc. Tab.* 24. *Fig.* 83.

Lichen

Lichen ſaxatilis.
Geſchweifte Blätterflechte. Steinflechte. KRÜNITZ. *Enc.* *T.* 14. p. 72. SVCKOW. *Oec.* *Bot.* *p.* 424.
Lichen de roche. De LAMARCK. *Fl.* *Franc.* p. 78.
Lichen brodé. *Gall.*
Fårg - maſſa. *Suecis.* Letmåſſa. *Smolandis.*
Steenig Schurftmos. HOUT. *Nat.* *Hiſt.* *T.* 2. *ſt.* 14. *p.* 512. *n.* 28.
Stenmåſſa. *Angermannis.* Steen - moſe,. Graa vel Blaa - graa Steen-moſe, Farve - moſe, Kork - moſe. *Noruegis.*
Grey - Blue pitted Lichen. *Anglis.*
Koki. *Iap.* KAEMPF. *Am.* *Faſc.* *V.* *p.* 831.
PHARM. Vſneae herba.
Habitat ubivis in arborum cortice.

Iunior Lichen in orbem ſemiuncialem, uncialem expanſus (Tab. XVI. a.) foliis brevibus laciniatis: laciniis latiuſculis crenato - ſinuatis, obtuſis, planiuſculis. Adultior Lichen ſenſim vel rotunde vel irregulariter expanditur, latitudine ſaepe palmari, foliolis cohaerentibus longioribus, laciniis vel imbricatis vel hinc inde ſine ordine ſparſis, diviſis et ſinuatis, apice truncatis, irregulariter ſinuato - crenatis, latioribus, vel etiam linearibus angulatis, divaricatis, ſaepe incurvis; undique liberis et laxe cohaerentibus; colore ſuperne in humido ex glauco vireſcenti, in ſicco ex albido vel cinereo glauco; aetate ferrugineo, tandem nigricante. Tota foliorum ſuperficies rugis et lacunulis valde inaequalis et ſcabra fit, lineolis farinoſis etiam percurſa, praeſertim circa lacunulas. Inferne nigra ſunt folia, paene carbonaria in media parte, extremitatem verſus fuſca aut pulla; radiculis nigris brevibus frequenter et denſe obſita, vel ſimplicibus vel fiſſis apice. Scutellae parvae ſubrotundae ab initio margine introflexo, dein majores irregulares, tenui margine cinctae, magis planae, externe lacunoſae, interne ex viridi glauceſcentes, cum foliis concolores. In var. B. folia plerumque latiora, praeſertim exteriora, linearia etiam occurrunt (b), ubique ſcabra et lacunulis excavata, parum crenata, retuſa,

retuſa, pulverulenta tam per oras foliorum quam circa lacunarum venulas (c); praeſertim in medio rugoſa et pulverulenta, colore ut in priori, aetate rubiginoſa vel purpurea, tuberculis farinaceis hinc inde adſperſa, quae ſcutellarum primordia. Scutellae ab initio perparvae ſubrotundae, eodem cum foliis rubiginoſo colore, vel viridi glaucescente in humido, dein majores concavae hemiſphaericae (d), margine introflexo, in diſco ſpadiceae vel fuſco rubrae, demum nigricantes irregulares. Annoſiores pulverulentae et coloratae plantae ſolae ſcutellas ferre ſolent. Facile a L. glauco vel L. phyſ. quibuscum promiſcue creſcere ſolet, et poſterior praſertim varietas confundi poſſet, hiſce notis a praecauto ſcrutatore diſtinguitur. Ruſtici in Oelandia et Gothlandia Lichenem cum aqua et lixivio coquunt et fila colore fuſco vel purpuraſcente inficiunt (LINN. *It. Oel. et Goth.* p. 35.) Ruſtici Noruegiae veſtes rufo, ſaepe addito L. parietino vel cortice Alni imbuunt colore (GVNN. l. c.) Leithae in Anglia officina exſtat, ubi hunc Lichenem in pulverem redactum et aqua maceratum colore pulchre rubro et perpetuo tingendo adhibent. (FERBERS *neue Beyträge zur Mineralgeſchichte* etc. I. p. 455.) Inſervit etiam avibus minoribus ad ſtruendos nidos, partem hirſutam intro vertunt et cirris attexunt Hypna ſericea, quibus plumas imponunt (DILL. l. c.). Sub nomine Vſneae cranii humani in variis occurrit libris de viribus medicamentorum conſcriptis, ſed plures et genere et ſpecie diverſi muſci ſub hoc titulo occurrunt, neque vis eorum medica in epilepſia, ſanguinis fluxu diarrhoea etc. adhuc de novo ſatis evicta eſt.

99.

LICHEN OLIVACEVS.

A.

Tab. XIII. Fig. 3.

Lichen olivaceus; imbricatus, foliolis lobatis nitidis lividis. LINN. *Syſt. Veget. Ed.* 14. *p.* 959. *n.* 37. *Syſt. Pl.* 4. *p.* 532. *n.* 30. *Fl. Suec. Ed.* 2. *n.* 1077. WEIS *Crypt. p.* 58. SCHOLL. *Barb. n.* 911. NECK.

NECK. *Gallob.* *p.* 506. SCHREB. *Spicil.* *p.* 131. *n.* 1128. DOERR. *Naſſ.* *p.* 296. LEERS *Herb.* *n.* 943. POLLICH. *Palat.* *n.* 1101. RETZ. *Prod.* *Fl.* *Scand.* *n.* 1348. MATTVSCHK. *Fl.* *Sil.* 853. EIVSD. *Enum.* *n.* 1078. LIGHTF. *Fl.* *Scot.* *p.* 819. HVDS. *Fl.* *Angl.* *Ed.* 2. *p.* 532. HAGEN *Hiſt.* *Lich.* *p.* 73. *n.* 36. LEYS. *Halenſ.* *Ed.* 2. *n.* 1140. ALLIONII *Fl.* *Pedemont.* *n.* 2551.

Lichen fronde ſemipinnata, rotunde lobata, olivacea, pulla, ſcutellis crenatis. HALL. *Hiſt.* *n.* 2014.

Lichen olivaceus; fronde ſupra nitida ſcutellifera: margine ſcutellarum crenato. NECK. *Meth.* *p.* 93.

Lichen foliis planis multifidis, obtuſis, laciniis verſus apices latioribus. *Fl.* *Lapp.* *p.* 449. ROY. *Lugdb.* 511.

Lichen cruſtae modo arboribus adnaſcens, olivaceus. VAILL. *Pariſ.* *Tab.* 20. *Fig.* 8.

Lichen pulmonarius, arboribus adnaſcens, tenuiter diviſus, inferne nigricans, ſuperne obſcurus, et verrucis perexiguis undique exaſperatus, receptaculis florum concoloribus. MICH. *Gen.* *p.* 87. *n.* 7. 5. 8.?

Habitat in Europae arboribus rupibus.

B.

Tab. XIII. fig. 5. var. *C.*

Lichen foliolis brevioribus lobatis, ſcutellis copioſis crenatis.

Lichenoides olivaceum ſcutellis amplioribus, verrucoſis. DILL. *Hiſt.* *Muſc.* *p.* 184. *Tab.* 24. *Fig.* 78.

Habitat cum priori.

C.

Tab. XIII. fig. 4. var. B.

Lichen pullus; imbricatus, foliolis lobatis, olivaceis, ſcutellis integerrimis. SCHREB. *Spicil.* *p.* 131. *n.* 1127. WEB. *Spicil.* *p.* 249. HAGEN *Hiſt.* *Lich.* *p.* 74. *n.* 37. ALLIONII *Fl.* *Pedemont.* *n.* 2550.

Lichen fronde ſemipinnata, rotunde lobata olivacea, ſcutellis laevibus. HALL. *Hiſt.* *n.* 2013. POLLICH. *Palat.* *n.* 1101. *var.* *β.*

Lichen foliaceus repens lobatus nitidus: ſuperne lividus verrucoſus, inferne fuſcus. SCOP. *Carn.* *Ed.* 1. *p.* 106. *n.* 41.

Lichen olivaceus. SCOP. *Carn.* *Ed.* 2. *n.* 1399.

Lichen pullus; imbricatus: foliolis nitidis lobatis ſcutellis margine laevibus. NECK. *Gallob.* *p.* 510. *Act.* *Palat.* *Tom.* *II.* 449.

Lichen pullus; fronde laevi ſcutellifera: germinante diſtorta, primordialibus granuloſis. NECK. *Meth.* p. 94.

Lichen pulmonarius, cruſtae modo ſaxis adnaſcens, pullus. MICH. *Gen.* *p.* 87. *n.* 6. TOURNEF. *Inſt.* 448

Lichen pulmonarius, ſaxatilis, ſubtus nigricans, deſuper olivae conditae colore, receptaculis florum concoloribus. MICH. *Gen.* *p.* 89. *Ord.* *XIX.* *Tab.* 51.

Lichenoides olivaceum ſcutellis laevibus. DILL. *Hiſt.* *Muſc.* *p.* 182. *Tab.* 24. *Fig.* 87.

Lichen olivaceus.

Olivenfarbige Blätterflechte.

Olive - maſſa. *Suecis.*

Olive Lichen. *Anglis.*

Olyfkleurig Schurftmos. HOUT. *Nat.* *Hiſt.* *T.* 2. *ſt.* 14. *p.* 513. 30.

Lichen olivâtre. DE LAMARCK *Fl.* *Franc.* *p.* 79. (*α.* et *β.*)

Habitat in arboribus et lapidibus.

Foliola in orbem expanſa, imbricata, ſublobata, craſſiuſcula, lobulis obtuſis ſinuato - crenatis, margine undique liberis, in medio rugoſis: rugis a centro ad peripheriam ductis, pulverulentis; in humido, ſupra e fuſco viridi flaveſcentibus ſeu olivae conditae coloris, in ſicco obſcurioribus, e viridi pullis, vel in adultioribus ex fuſco nigricantibus, ſaepe nitentibus quaſi vernice obducta eſſent foliola, ſubtus e fuſco albida, margine praeſertim, in medio carbonaria, radiculis breviſſimis nigris, ſimplicibus obſita. Scutellae rariores hinc inde ſparſae, circinnatae rotunditatis, concavae margine eleganter crenulatae conco-

concolore, diſco olivaceo etiam ſaturatiori. Adultiori in var. B. foliola minora ac breviora, ſaepe ſemiconſumpta et aegre diſtinguenda, tenuiter laciniata, etiam margine reflexa et linea alba in violato Lichene cincta, ex fuſco viridia, granulis permultis undique referta, quae per lentem apice perforata apparent (Fig. 5. b.) et demum in ſcutellas abeunt. Scutellac copioſae adpreſſae, magnitudine varia, haemiſphaericae, dein irregulares varie plicatae, cavae, margine crenulato ſerrato, vel verrucoſo cinctae, diſco laevi ex viridi fuſco; inferne ex viridi albidae ſubrugoſae, pedunculo breviſſimo inſidentes (c) etiam plane ſeſſiles, juniores praeſertim. In Var. C. foliola plana tenuiora, vel in oblongam vel rotundam figuram late expanſa, perinde eleganter et rotunde diviſa, cortici adpreſſa, lobata: lobis obtuſis crenato-ſinuatis; glabra, ſuperne in recenti ex ochreo fuſca vel viridia demum pulla, inferne ſubfuſca, in medio nigra, breviſſimis nigris radiculis obſita. Occurrunt plerumque ſpecimina glabra, in medio tantum ſubrugoſa ampla, alia vero minora pulverulenta vel granuloſa: granulis per lentem aggregatis ovatis (b c). Scutellae ſi adſint, planae et margine tenui cinctae integerrimo, at per lentem tenuiſſime crenulatae, niſi aliam ſpeciem citati Auctores intellexerint. In hac varietate foliola ſcutellifera etiam punctata. Violatus Lichen ſubſtantiam interiorem celluloſa albiſſima conſtantem et ſupra et ſubtus facile oſtendit.

100.

LICHEN PARIETINUS.

Tab. XVIII. Fig. 1.

Lichen parietinus; imbricatus, foliolis criſpis fulvis peltis concoloribus fulvis. LINN. *Syſt. Veget. Ed.* 14. *p.* 959. *n.* 43. *Syſt. Pl.* 4. *p.* 534. *n.* 35. *Fl. Suec. Ed.* 2. *n.* 1080. GUNN. *Norv. p.* 74. *n.* 207. NECK. *Gallob. p.* 505. DOERR. *Naſſ. p.* 297. POLLICH. *Palat. n.* 1103. LIGHTF. *Fl. Scot.* 822. HUDS. *Fl. Angl. Ed.* 2. *p.* 533. MATTUSCHK. *Sil.* 851. EIUSD. *Enum. n.* 1079. RETZ. *Prodr. Fl. Scand. n.* 1351. HAGEN *Hiſt. Lich. p.* 74. *n.* 38. ALLIONII *Fl. Pedemont. n.* 2552. LEYS. *Halenſ. Ed.* 2. *n.* 1141.

Lichen foliaceus repens.tartaricus, criſpus, foliolis concavis imbricatis criſpis, ſupra cinereo - vireſcentibus, ſubtus albis, ſcutellis ſubrufis. SCOP. *Carn. Ed.* I. *p.* 108. *n.* 47.

Lichen pulmonarius, ſaxatilis, farinaceus, major, foliis craſſis, ſubrotundis, e cinereo vireſcentibus, inferne albis, receptaculis florum ſubrufis. MICH. *Gen. p.* 94. *Ord. XXX. Tab.* 51. *Fig.* I.

Lichenoides cartilagineum, ſcutellis fulvis planis. DILL. *Hiſt. Muſc. p.* 179. *Tab.* 24. *Fig.* 74.

Lichen craſſus.

Knorpligte Blätterflechte.

Cartilaginous Lichen. *Anglis.*

Habitat in Europae rupibus et ericetis montoſis.

Foliola vel rotunde vel irregulariter expanſa, imbricata breviſſima, rotunde lobata, obtuſe crenulata, per marginem craſſiora et ſaepius incana; ſubſtantia robuſta alba, ad ſemilineam craſſa per humiditatem molliora; ſuperne ex glauco vel luteo vireſcentia, ſubtus nigricantia vel violata albida, fungoſa ſua natura terrae vel lapidibus arctiſſime adnata. Scutellae copioſae in centro ceſpitis, quem paene totum efficiunt congeſtae, ab initio orbiculatae, margine tumido albido, obtuſo, cinctae; color diſci idem cum foliis in humido, rufeſcens in ſicco; ſenſim majores irregulares planae, flexuoſae, colore e luteo ſubrufo, folia paene aequantes, margine tenuiori albido cinctae, demum convexae ſubfuſcae. Singulae ſcutellae exemptae foliolo inſident (a). Odorem cum vetere Tabaco comparant DILLENIVS et LIGHTFOOT.

102.

LICHEN ACETABVLVM.

Tab. XVIII. Fig. 2.

Lichen acetabulum; foliaceus imbricatus, foliolis obtuſis laevibus, ſcutellis margine duplicato - ſerratis.

Lichen

Lichen acetabulum; fronde ſuborbiculata luteo - vireſcente laevi, ſcutellis folio concoloribus ſubtus rugoſis. NECK. *Meth. p.* 94.

Lichen imbricatus foliolis obtuſis, ſcutellis folio concoloribus ſubtus rugoſis. *Act. Palat. Tom. II.* 449. *Fl. Gallob. p.* 506.

Lichen viridis concolor, ſcutellis planis ſerratis. HALL. *Hiſt. n.* 2006. LEERS *Herb. n.* 956.

Lichen pulmonarius cinereus ſeu arboreus e cinereo viridis. VAILL. *Pariſ. Tab.* 21. *Fig.* 13.

Lichen pulmonarius, inferne obſcurus, deſuper e glauco ſubvireſcens, receptaculis florum amplioribus, ac denſioribus, atro-fuſcis. MICH. *Gen. p.* 98. *Tab.* 48. *Fig.* 2.

Lichenoides acetabulis cutaneis et rugoſis. DILL. *Hiſt. Muſc. p.* 185. *Tab.* 24. *Fig.* 79.

Lichen acetabulum.

Schüſſel Blätterflechte. Tellerflechte.

Habitat in Europae arboribus.

Foliola vel in ovatam vel inaequalem ceſpitem expanſa, palmari circiter ambitu, imbricata, plicato - lobata; lobis obtuſis crenatis, liberis, erectiuſculis; exteriora latiora, interiora minora congeſta, glabra, transverſim rugoſa; colore in recenti deſuper e luteo vel cinereo viridi, ſaepius humectata olivaceo, per lentem punctis nigris hinc inde adſperſa; in ſicca obſcure plumbeo vel glauco viridi, margine adſcendente badio; inferne extrema parte glabra, fuſca, interiori nigricantia, radiculis vel papillis potius breviſſimis nigris rugarum ſpecie corticibus arcte adnata. Subſtantia pallide carnea vel albida, modice robuſta. Scutellae ab initio minimae, perforatae quaſi, vel profundiſſime excavatae, margine craſſo truncato, duplici, concolore cinctae, majores ſubpedunculatae ventricoſae excavatae, acetabuli inſtar (a), externe rugoſae, colore foliorum, vel pallidiore, margine exteriori membranaceo rugoſo, praeputii inſtar exſtante, interiori criſpo tenuiori; diſco concavo rugoſo badio, vel rufo fuſco; in humida planta molles; adultiores ad pollicarem latitudinem exten-

extenſae, diſco plano rugoſo, glabro, margine replicato. Poſt macerationem exſiccatus Lichen rufo - fuſcum vel fuliginoſum induit colorem, ſubtus croceum. Aquam ſtatim colore fulvo vel croceo tingit, odorem tunc ſpargit, ut infuſum Theae viridis. Cum L. ſaxatili immixtus creſcit. Inter L. olivac. et ſequentem quaſi intermedius eſt.

103.

LICHEN CAPERATVS.

Tab. XIX. Fig. 2. Tab. XX. Fig. 2.

Lichen caperatus; foliaceus imbricatus, pallide luteo - vireſcens, rugoſus, margine undulatus.

Lichen caperatus; pallide viridis rugoſus margine undulatus. LINN. *Syſt. Veget. Ed.* 14. *p.* 960. *n.* 65. *Syſt. Pl.* 4. *p.* 542. *n.* 43. ROY. *Lugdb.* 510. GVETT. *Stamp.* 1. *p.* 31. MÜLL. *Fridr.* 212. GVNN. *Norv. p.* 80. *n.* 690. NECK. *Gallob. p.* 511. WEIS *Crypt. p.* 74. LEERS *Herb. n.* 967. POLLICH. *Palat. n.* 1114. LIGHTF. *Fl. Scot.* 837. HVDS. *Fl. Angl. Ed.* 2. *p.* 543. RETZ. *Prodr. Fl. Scand. n.* 1365. LEYS. *Halenſ. Ed.* 2. *n.* 1153. ALLIONII *Fl. Pedemont. n.* 2565.

Lichen fronde rotunde lobata, rugoſa, inferne atra et aſpera. HALL. *Hiſt. n.* 2005.

Lichen foliaceus repens, lobatus, ſupra luteo - vireſcens, infra laevis ater; ſcutellis verrucoſis, ſeſſilibus, umbilicatis rubris. SCOP. *Carn. Ed.* 1. *n.* 103. *n.* 34.

Lichen caperatus. SCOP. *Fl. Carn. Ed.* 2. *n.* 1394.

Lichen caperatus; fronde juniore ſupra rugoſiuſcula: germinante pulverulenta, frondulis extimis laevibus, latioribus obtuſis. NECK. *Meth. p.* 95.

Lichenoides cruſta folioſa, ex cinereo et luteo vireſcente, inferne nigra laevis. *Cat. Giſſ. p.* 207. RAI. *Syn. p.* 73. *n.* 62.

Muſco fungus lichenoides, cruſtae modo adnaſcens major cinereus. MORIS. *Hiſt.* 3. *p.* 633. *ſ.* 15. *Tab.* 7. *Fig.* 1.

Lichen

Lichen pulmonarius, ſaxis et arboribus adnaſcens, major, inferne nigricans, ſuperne e ſulphureo cinereus, receptaculis florum amplioribus, intus ſordide, et obſolete viridibus. MICH. *Gen. p.* 89. *n.* 1. 2. *Tab.* 48. *Fig.* 1.

Lichen pulmonarius ſaxatilis maximus. VAILL. *Pariſ. p.* 116. *n.* 10.

Lichenoides caperatum roſacee expanſum e ſulphureo virens. DILL. *Hiſt. Muſc. p.* 193. *Tab.* 25. *Fig.* 97. A. B. C.

Lichen caperatus.

Runzliche, Roſenförmige Blätterflechte.

Lichen froncé. DE LAMARCK *Fl. Franc. p.* 83.

Gekaperd Schurftmos. HOUT. *Nat. Hiſt. T.* 2. *St.* 14. *p.* 529. *n.* 53.

Roos moſſa. *Norvegis.*

Sulphur - green Roſe Lichen. *Anglis.*

Habitat in Europa et America ad ſaxa et arbores.

Folia in orbem expanſa ab unciali ad pedalem uſque latitudinem, in centro in modum inteſtinorum collecta et plicata, ambitu lobata, plicato - undulata, ſaepius imbricata, lobis ſinuato - laciniatis ſubrotundis, extremis latioribus, ſinuato - crenatis, minoribus deflexis; ſuperne glabris quidem, ſed rugis oblongis et obliquis pulverulentis vel granuloſis inaequalibus, praeſertim per mediam cruſtam, ubi craſſiores et magis verrucoſae eſſe ſolent; colore in ſuperiori ſuperficie e ſulphureo viridante in glaucum ſaepius tendente, veluti ſulphureus color cum pauco caeruleo mixtus, per ſiccitatem et vetuſtatem e ſulphureo albidus, in aqua ſaepe macerato Lichene et exſiccato, color ſordidus et magis glaucus fit. Per lentem verrucae illae ſubrotundae et pulverulentae, demum confluentes et punctulis nigris immixtae apparent. Inferior ſuperficies margine glabra et fuſca, reliqua parte nigra, breviſſimis acutis nigris radiculis obſita, interius atra, radiculis filiformibus implexis longioribus gleboſa, et ſubſtratis corporibus arcte adhaeret. Scutellae per mediam frondem diſperſae, ab initio orbiculares concolores, dein ſatis amplae concavae, extus convexae pulverulentae, foliorum colore, intus purpuraſcen-

 tes,

tes, vel e carneo rufeſcentes, margine tunc tenui undulato ſaepe verrucoſo et pulverulento cinctae, elevatae veluti pedunculatae. Scutelliferae et annoſiores plantae magis irregulares et pulverulentae. Natura Lichenis albiſſima, quam etiam violatus ſtatim prodit, mollis ac tenax.

104.

LICHEN TILIACEVS.

Tab. XVI. Fig. 2.

Lichen tiliaceus; foliaceus ſubimbricatus rotunde lobatus pulverulentus albido - glaucus.

Lichen fronde rotunde obata, glauca, polline concolore ſcabra, ſubtus hirta et atra. HALL. *Hiſt. n.* 1008. LEERS *Herb. n.* 955.

Lichen pulmonarius, querno folio, inferne nigricans, ſuperne cinereus, receptaculis florum ſordide vireſcentibus. MICH. *Gen. p.* 86. *Ord. XV. Tab.* 45.

Lichen tiliaceus.

Linden Blätterflechte.

Habitat in variis Europae arboribus praeſertim Tilia, nec non in rupibus et tectorum tegulis.

Foliola frondis eleganter rotunde et late expanſa, imbricata, lobata: lobis laciniatis ſinuato - crenatis, extremis latioribus, rotundis (b d); interius anguſtioribus, bifidis, trifidiſque (a); in medio ceſpite foliola rugoſa, in ſuperficie varie plicata et depreſſa, colore cinereo - albido vel albido - glauco, furfure vel pulvere concolore ubique conſperſa, centrum praeſertim furfure cinereo, demum ſordide fuſco paene totum obtectum. Extimae foliorum laciniae glabrae ſunt, paulo vero interius ſaepiuſcule furfure illo glomerato obductae. Per lentem apparet foliorum ſuperficies tuberculis cinereo - fuſcis, oblongis conſperſa, quae circa rugas et in media frondis parte ita congeſta et ramoſa fiunt, ut arbuſculam ex tuberculis illis conflatam non male referant (c); quorum alia oblonga integerrima, alia apice aperta et

et concava conſpiciuntur. Superficies foliorum ſaepe punctulis minutiſſimis nigris hinc inde exarata apparet. Inferne folia margine ſubfuſca, interius carbonaria, denſe radiculis ſimplicibus, ſubulatis nigris (d) obſita, corticibus arcte affixa. Scutellae in plantis pulverulentis, rariores ſunt, ſubrotundae, leniter excavatae, vireſcentes irrigatae, ſubfuſcae in ſiccitate, margine tenui foliis concolore circumfuſae. Subſtantia foliorum tenax, fere ut in Lich. caperato, cui quoad foliorum ſtructura valde ſimilis, ſed ab eo colore nec exſiccatione nec maceratione mutando, ſcutellis et pulvere illo longe recedit. A Lich. glauco ſubſtantia paulo craſſiore et foliis neque ut in illo criſpis vel liberis aliisque notis ſatis diverſus. Alia huius Lichenis ſcutellifera individua, in diverſis aliis arboribus cum Lich. ſaxatili arctiſſime commixta, occurrunt, quae niſi accurate obſerves, pro ſaxatili vel alio Lichene habeas, omnimodo quoad foliorum ſtructura ſimilia ſunt illis pulvere adſperſis, ſed pulvere deſtituuntur, minusque late et rotunde expanſa, punctulisque ſaepe copioſis minutiſſimis conſita, varieque pro ramuli figura cui inſident flexa, ſcutellas gerunt copioſas. Iuniores ſcutellae minimae ſunt, ſubrotundae, margine integro albido cinctae, majores lentis magnitudinem ſaepius excedunt, margine ſaepe irregulari criſpo ſeptae, in diſco excavatae leviter, humectatae ex olivaceo vireſcentes, exſiccatae caſtaneae vel brunnae.

105.

LICHEN GLAVCVS.

Tab. XX. Fig. 1.

Lichen glaucus; foliaceus depreſſus lobatus glaber, margine criſpo farinaceo. LINN. *Syſt. Veget. Ed.* 14. *p.* 961. *n.* 67. *Syſt. Pl.* 4. *p.* 542. *n.* 55. *Fl. Suec. Ed.* 2. *n.* 1094. WEIS *Crypt. p.* 75. LEERS *Herb. n.* 968. GVNN. *Norv. n.* 761. POLLICH. *Palat. n.* 1115. LIGHTF. *Fl. Scot. p.* 838. WEB. *Spicil. p.* 242. *n.* 274. RETZ. *Prodr. Fl. Scand. n.* 1366. HVDS. *Angl. Ed.* 2. *p.* 533. LEYS. *Halenſ. Ed.* 2. *n.* 1154. ALLIONII *Fl. Pedemont. n.* 2566.

Lichen fronde laciniata et criſpa, inferne atra et aſpera. HALL. *Hiſt.* n. 2007.

Lichen foliaceus, repens lobatus, ſupra cinereus, ſubtus ater; marginibus verrucoſis. SCOP. *Carn. Ed.* 1. *p.* 104. *n.* 35.

Lichen glaucus. SCOP. *Carn. Ed.* 2. *n.* 1395.

Lichen glaucus; fronde laciniata, nitida margine criſpo-farinoſa ſubtus atra: punctis ſcutelliformibus bruneis. NECK. *Meth.* *p.* 100.

Lichen pulmonarius, ſaxatilis cinereus minor, umbilicis nigricantibus. VAILL. *Pariſ. Tab.* 21. *Fig.* 12.

Lichen pulmonarius, criſpus, inferne nigerrimus et glaber, ſuperne cinereus, receptaculis florum ſubobſcuris. MICH. *Gen. p.* 91. *Tab.* 50. *Fig.* 1.

Muſco-fungus lichenoides arborum criſpus cinereus ſubtus nigricans. MORIS. *Hiſt.* 3. *p.* 633. *S.* 15. *Tab.* 7. *Fig.* 4.

Lichenoides Endiviae foliis criſpis ſplendentibus, ſubtus nigricantibus. DILL. *Hiſt. Muſc. p.* 192. *Tab.* 25. *Fig.* 96.

Fl. Dan. Tab. 598.

Lichen glaucus.

Eiſengraue gekräuſelte Blätterflechte.

Lichen glauque. DE LAMARCK *Fl. Franc. p.* 84.

Zeegroen Schurftmos. HOUT. *Nat. Hiſt. T.* 2. *ſt.* 14. *p.* 516.

Nåfwer-måſſa. *Suecis.*

Smooth endive-Leav'd Lichen. *Anglis.*

Habitat in Europae arboribus et lignis.

Foliola frondis late expanſa, vel ex communi origine, vel ex pluribus foliolis conflata proveniunt; ubique adpreſſa, et cortici nequiter adnata, arcte inter ſe complicata, margine lobata adſcendentia, varieque laciniata, rercurvata, plicata, replicata, in media fronte praecipue criſpa, tumidoque pulverulento margine circumdata; ſuperne glabra, ſaepe cum ſplendore quaſi gummeo; colore ex glauco caneſcente, vel albido; per marginem folia frequenrer colore fuſco

fuſco vel olivaceo-umbrino tincta ſunt; in aliis ex vireſcenti cinereo, per ſiccitatem albido. Superficies rugulis et lacunulis tenerrimis inaequalis, verruculis ſaepiſſime, minimis, plano-convexis, nigricantibus, per lentem exiguo foramine conſpicuis, ex quo pulverem granuloſam ejicere videntur (a), obſita. Inferne folia nitida, per oras fuſco vel caſtaneo, interdum tamen cum ſuperiori parte eodem colore, interius nigro, rugulis teneris eleganter et reticulatim, venularum in modum percurſa, radiculis nigris, trifidis, quatrifidis, interiori ſua parte vel baſi affixa. Natura Lichenis flexilis etiam in ſiccitate, papyracea. Scutellas a me nondum obſervatas, alii concavas, extus cinereas, intus fuſcas vel rubras, interdum ſubſtipitatas eſſe perhibent. Lich. perlatus longe diverſa a noſtro ſpecies, quod etiam bene monuit Cl. EHRHARTVS (BALD. *N Magaz. B.* 4. *St.* 4. *p.* 322.). Varietates hujus Lichenis aliquas a me collectas etſi levioris momenti tamen enumerabo.

1.

Lichen foliaceus depreſſus lobatus: lobis erectis ſubrotundis, extremis margine fuſcis, amplis, interioribus criſpis glabris.

Habitat in emortuis arboribus, vel ſepimentis ligneis.

Exteriora vel ſimplicia foliola interdum unciali latitudine, interiora breviora et anguſtiora criſpa, duplicata, margine craſſiora ex farina compacta.

2.

Lichen foliaceus depreſſus vireſcenti-glaucus, lobis plicato-undulatis, margine criſpis craſſioribus farinaceis.

Habitat in cortice arborum.

Foliola anguſtiora, colore in viridi cinereum potius quam glaucum tendente, marginibus verrucoſis pulvere concolore obductis.

3.

Lichen foliaceus laciniatus criſpus, laciniis tenuiter diviſis et fimbriatis. DILL *l. c. Fig. B.*

Habitat in arboribus variis, et lignis putridis.

 Color

Color hujus varietatis magis albidus quam reliquarum. Foliorum laciniae Endiviae criſpae facie. Aetate laciniae fibrillis copioſis obſitae, quae lenti vitreae ſubjectae (a) Braſſicam botryn apprime effingunt. Neque huc L. Fallax WEB. (*Spicil. n.* 275) pertinere quis credat.

106.

LICHEN IAPONICVS.

Lichen japonicus; foliaceus depreſſus inciſo-lobatus farinaceus criſpus, ſubtus villoſus. THVNB. *Fl. Iap. p.* 344. LINN. *Syſt. Veget. Ed.* 14. *p.* 961. n. 68.

Lichen Iaponicus.

Iapaniſche Blätterflechte.

Habitat in Iaponia terrae et lapidibus adpreſſus.

Folia imbricata, oblonga, inciſo-lobata, farinacea, margine tenuiſſime criſpa, ſubtus venoſo-villoſa. Affinis L. glauco, ſed ſubtus non glaber, verum tomentoſus e radiculis ramoſis. THVNB. *l. c.*

107.

LICHEN SQVAMOSVS.

Lichen ſquamoſus; foliaceus imbricatus, ſcutellis margine criſpis fuſcis.

Lichenoides tenue et molle, Agarici facie. DILL. *Hiſt. Muſc. p.* 179. *Tab.* 24. *Fig.* 73.

Lichen ſquamoſus.

Schuppichte Blätterflechte.

Habitat in cortice arborum.

DILLENIVS hunc Lichenem ſequenti modo deſcripſit. Siccam ſaltem vidi colore poſt aliquam multos annos obſoleto, ex cineneo ſordide albicante: humore irrigata planta obſcure fuliginoſo eſt colore ſuperne, inferne vero obſolete albida, tenuibus villoſis fuſcis fibris praedi-

praedita, quibus arborum corticibus et muſcis herbaceis intermediis arcte adnaſcitur, Agarici varii coloris, ſquamoſi TOURN. inſtar expanſa, foliis per extremitatem obtuſe crenatis, ſquamatim incumbentibus, tenuibus et mollibus, quibus verſus interiorem partem innumerae innaſcuntur ſcutellae mediocri magnitudine praeditae, margine cinereo criſpo praeditae, diſco in ſicca ochreo, in madefacta fuſco.

*** *Foliis laxius imbricatis ſuberectis.*

108.

LICHEN IVNIPERINVS.

Tab. XXII. Fig. 1.

Lichen juniperinus; foliaceus laciniatus criſpus fulvus, peltis lividis. LINN. *Syſt. Veget. Ed.* 14. *p.* 960. *n.* 64. *Syſt. Pl.* 4. *p.* 541. *n.* 52. *Fl. Suec. Ed.* 2. *n.* 1093. GVNN. *Norv. n.* 204. LIGHTF. *Fl. Scot. p.* 836. RETZ. *Prodr. Fl. Scand. n.* 1364. HVDS. *Fl. Angl. Ed.* 2. *p.* 542. LEYS. *Halenſ. Ed.* 2. *n.* 1152?

Lichen fulvus ſinubus daedaleis laciniatus. *Fl. Lapp.* 451.

Lichen nivalis luteus. WEB. *Spicil. p.* 238. *n.* 271. β?

Lichen juniperinus.

Gelbe Wachholder Blätterflechte. Die gelbe Wachholderflechte. KRÜNITZ *Enc. T.* 14. *p.* 78. SVCKOW *Oec. Bot. p.* 404.

Lichen ochreux. DE LAMARCK *Fl. Franc. p.* 81?

Enmåſſa. *Suecis.* Enermoſe. *Norvegis.*

Geneverboomig Schurftmos. HOUT. *Nat. Hiſt. T.* 2. *ſt.* 14. *p.* 529.

Common yellow Tree Lichen. *Anglis.*

Habitat in Europae arboribus, praeſertim Iuniperis.

Folia laxe imbricata connata erectiuſcula, irregulariter laciniata: laciniis in adultiore Lichene latioribus, ſinuatis criſpis, punctis minutis nigris, per lentem oblongis apice plerumque perforatis (b), margine obſitis, ſupra rugoſis et ſublacunatis; in juniore Lichene tenuiter laciniatis et criſpioribus in uncialem latitudinem et magis rotunde expanſis (a); colore ſuperne ex viridi flaveſcente vel eleganter citrino, ſiccitate et aetate magis in fulvum praeſertim inferius ten-

tendente; foliola ſubtus aeque lacunoſa et lutea, glabra, hinc inde tantum breviſſimis minimis et ſimplicibus, nigricantibus radiculis cortici affixa. Scutellae ex marginibus foliorum proveniunt, ab initio minimae orbiculatae demum majores, irregulares, margine luteo crenulato inſtructae, diſco in humido fuſco vel livido, in ſicco caſtaneo; ſubtus lacunoſae et producto margine foliorum pedunculatae adparent. Lichen convexo-concavus lacunatus et glaber, ramis criſpis ſubluteis HALL. *Hiſt.* n. 1977. quoad deſcriptionem ad L. juniperinum potius, quam ad nivalem pertinere videtur, quum LINNAEVS *in Fl. Lapp.* nunquam hunc luteum vidiſſe dixerit. Attamen habeo liberalitate *Perill.* SCHMIDELII ex Groenlandia ſpecimina L. nivalis, quae in ſulphureum vel pallide luteum tendunt colorem. Forſan huc ſpectat Lichen pulmonarius ſaxatilis tenuiter laciniatus, elegantis ſulphurei coloris. SCHEVCHZ. *It. VIII. p.* 514? BVXB. *Cent.* II. *Tab.* 7. *Fig.* 3? A. Lichene parietino frondibus erectiuſculis et foliaceis laciniatis, ſcutellis brunneis quam longiſſime diſtat L. Iuniperinus. Gothlandi lanas cum eo tingunt luteo colore (*Act. Stock.* 1742. *p.* 26.), qui pulcrior evadit ſi tingendum alumine ante imbutum in ſero lactis coquatur (GVN. *l. c.*). Etiam ut ſpecificum in ictero celebratur (*Fl. Suec.* l. c.).

109.

LICHEN SEPINCOLA.

Tab. XVII. Fig. 1.

Lichen ſepincola; foliaceus imbricatus, laciniatus, adſcendens, caſtaneus; ſcutellis concoloribus.

Lichen ſepincola; foliaceus, adſcendens, laciniatus, ſubcrenulatus, glaber, ſuperne caſtaneus, inferne lacunoſus, radicans; ſcutellis ſubterminalibus, planis, adnatis, caſtaneis: margine obſoleto, rugoſo, crenulato. EHRHART *Hannov. Magaz.* 1783. *p.* 206.

Caſtanienbraune Blätterflechte.

Habitat in Europae lapidibus et arboribus.

Fig. 1.



Fig. 2



Fig. 3.



Fig. 4



Fig. 5.



Fig. 6.



Fig. 1. L. farinosus. Fig. 2. L. botryoides. Fig. 3. L. lacteus.
Fig. 4 L. flavus. Fig. 5. L. rubens. Fig. 6. L. incanus.

Autor delin. et incid. C. Walwert excud.

Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.



Fig. 1. L. tuberculosus. Fig. 2. L. colliculoſus. Fig. 3. L. ferrugineus
Fig. 4. L. fagineus. var. A. Fig. 5. L. rugosus. Fig. 6. L. viridulus.

Autor. delin. et incid. — *J. C. Bock. excud.*

Fig. 1.



Fig. 2.



Fig. 3.

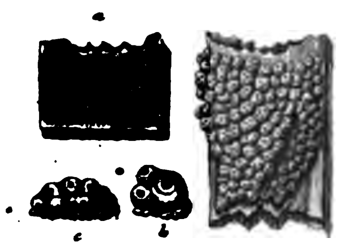


Fig. 4.



Fig. 5.



Fig. 6.



Fig. 1. L. geographicus. Fig. 2. L. Scriptus. Fig. 3. L. pertusus.
Fig. 4. L. pertuſus. var. B. Fig. 5. L. im̄erſus et L. antiquitatis.
Fig. 6. L. niger.
Fig. 2. f. L. hebraicus. Fig. 2. e. L. pulicaris.

Autor. delin. et incid. *J. C. Bock. excud.*

Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.



Fig. 7.

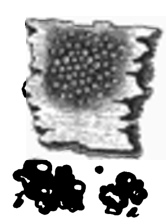


Fig. 5.



Fig. 6.

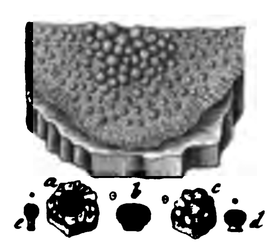


Fig. 1. L. Sulphureus. Fig. 2. L. corallinus. Fig. 3. L. cinereus.
Fig. 4. L. ater. Fig. 5. L. radiosus. Fig. 6. L. candidus.
Fig. 7. L. Byſſinus.

J. C. Bock excud.

Fig. 1.



Fig. 2.

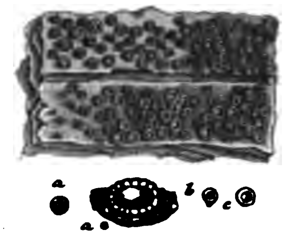


Fig. 3.

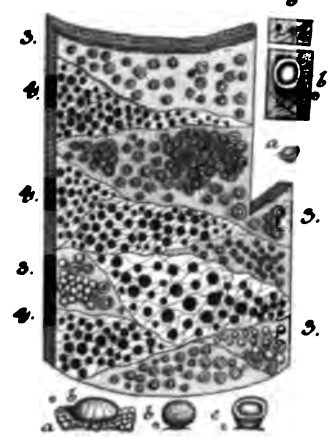


Fig. 4.
B

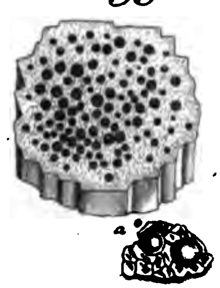


Fig. 5.
C

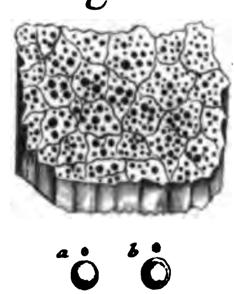


Fig. 1. L. vernalis. Fig. 2. L. pallidus. Fig. 3. L. ſubfuſcus.
Fig. 4. L. ſanguinarius. Fig. 4. B. ſanguin. var. B.
Fig. 5. C. ſanguin. var. C.

Autor. del. et incid. I. Nuſsbiegel excud.

Fig. 1.



Fig. 2.



Fig. 6.



Fig. 3.



Fig. 4.

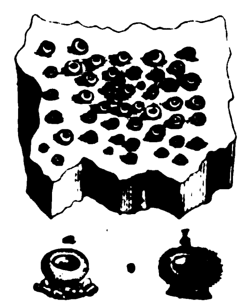


Fig. 5.



Fig. 1 L. Scruposus. Fig. 2 L. Parellus. Fig. 3. L. rupicola.
Fig. 4. L. marmoreus. Fig. 5. L. ochroleucus.
Fig. 6. L. Ochroleuc. var.

Autor delin et incid *C. Walwert. excud.*

Fig. 1.

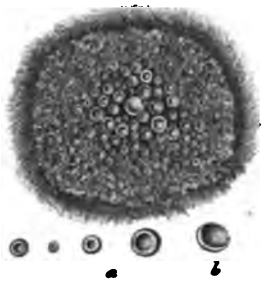


Fig. 2.



Fig. 3.



Fig. 6.



Fig. 4.

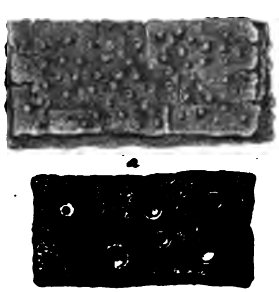


Fig. 5.

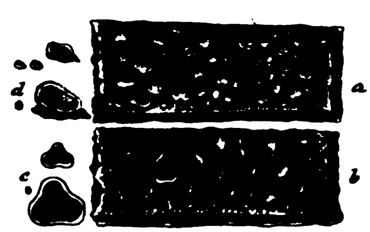


Fig. 1. L. upſalienſis. Fig. 2. L. fagineus. var. B. Fig. 3. L. androgynus.
Fig. 4. L. excavatus. Fig. 5. L. fagineus. var. C. D.
Fig. 6. L. Pezizoides.

Autor. delin et incid. J. C. Bock. excudt.

Fig. 1.



Fig. 2.

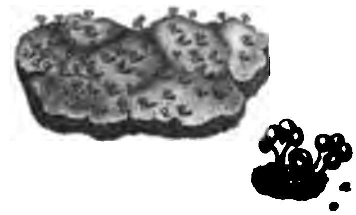


Fig. 3.



Fig. 4.



Fig. 5



Fig. 1. L. Icmadophila. Fig. 2. L. fungiformis. Fig. 3. L. Bæomyces
Fig. 4. L. fuſcus. Fig. 5. L. parasiticus.

Autor. del. et. incid. J. C. Bock. excud.

Fig. 1.

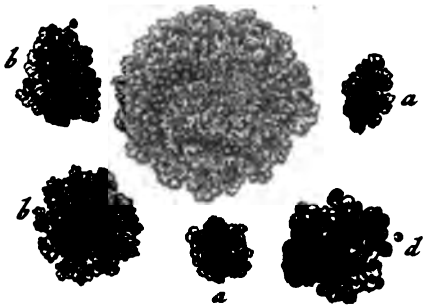


Fig. 2.

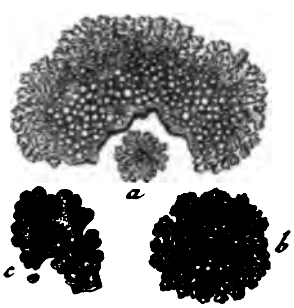


Fig. 3.

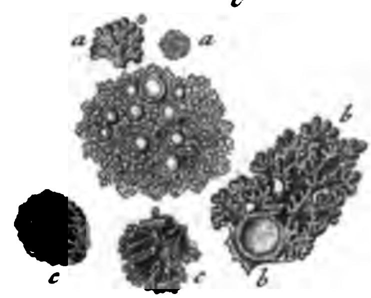


Fig. 4.

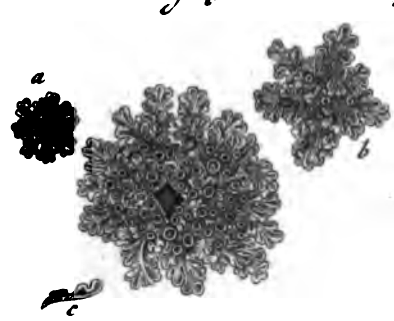


Fig. 1. L. orbicularis. Fig. 2. L. murorum. Fig. 3. L. candelarius. Fig. 4. L. lentigerus.

Auctor del. Bock sc.

Fig. 1.

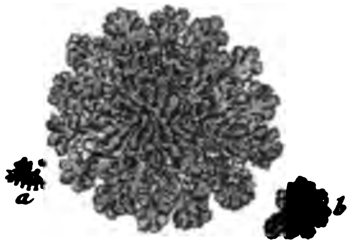


Fig. 2.



Fig. 3.

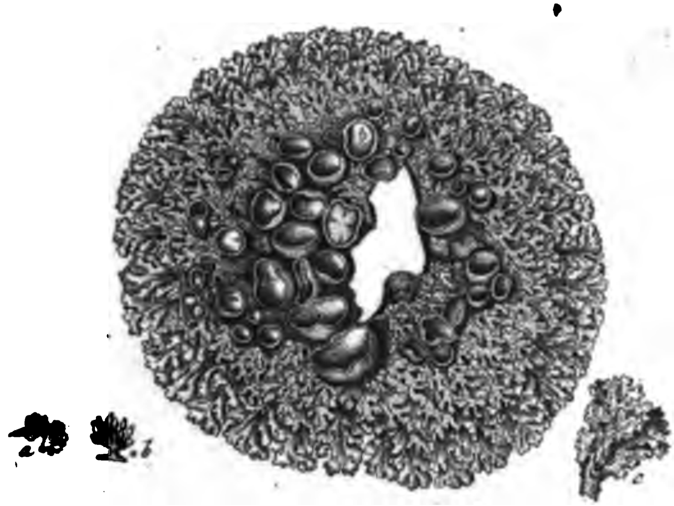


Fig. 4.

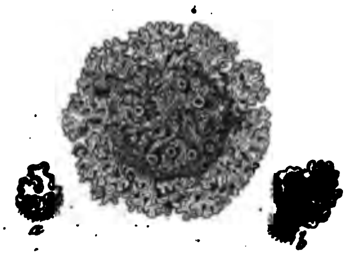


Fig. 1. L. pallescens. pulverulentus. Fig. 2. L. pallescens ſartellifer.
Fig. 3. L. centrifugus. Fig. 4. L. lanuginoſus.

Autor del. Bock ſc.

Fig. 1.

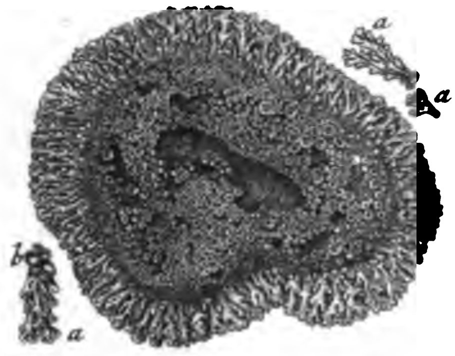


Fig. 2.

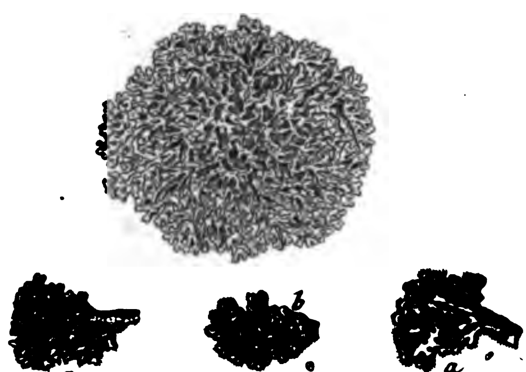


Fig. 1. L. muralis. Fig. 2. L. angustatus.

Autor del. *Bock sc.*

Fig. 1.

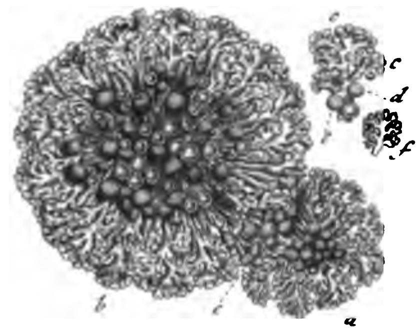


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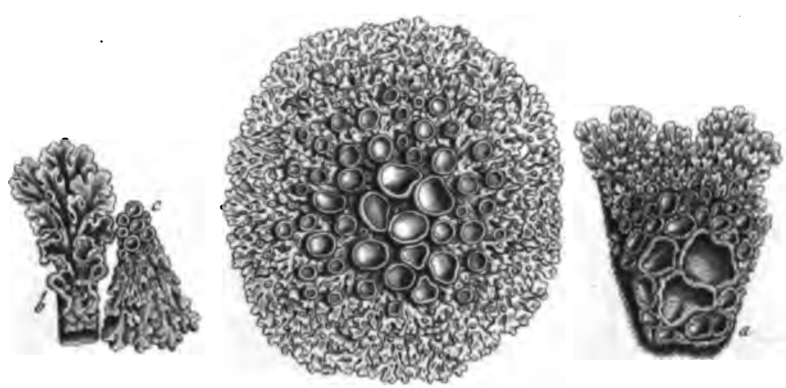


Fig. 1. L. Cæſius. *Fig. 2. L. pulverulentus.*

Autor del. *Nuſsbiegel ſc.*

Fig. 1.

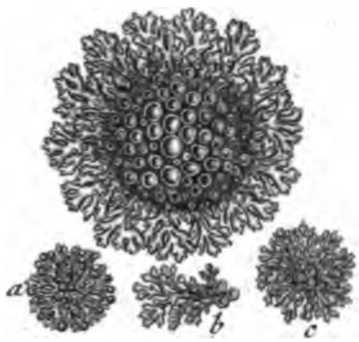


Fig. 2.

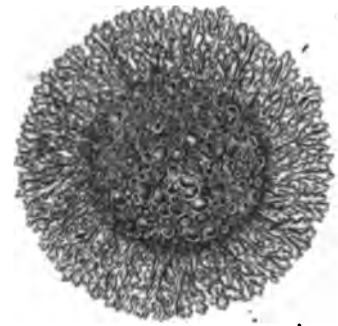


Fig. 3.



Fig. 4.



Fig. 5.

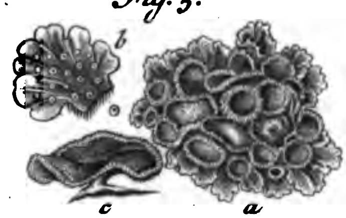


Fig. 1. L. Stellaris. var. B. Fig. 2. Stellaris. Fig. 3. L. olivaceus. var. A. Fig. 4. L. olivaceus. var. B. Fig. 5. L. olivaceus. var. C.

Autor del. *Bock ſc.*

Fig. 1.

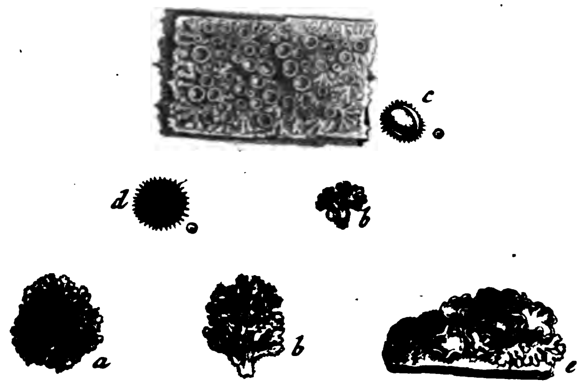


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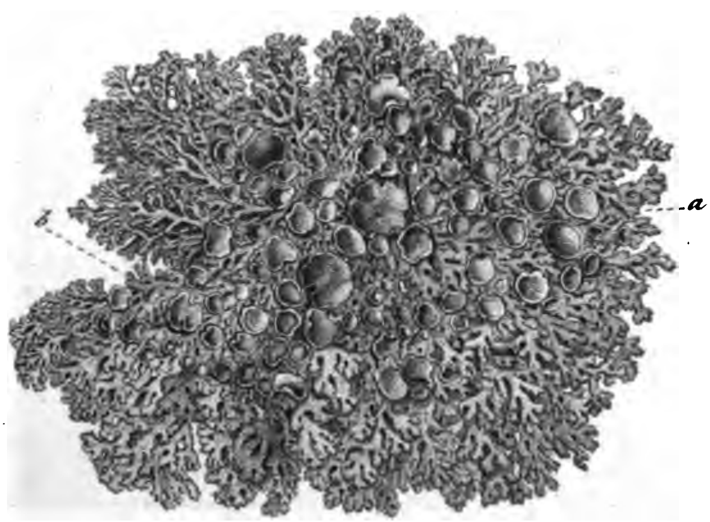


Fig. 1. L. ciliatus. Fig. 2. L. ſtygius.

Autor del. *Schellenberg ſc.*

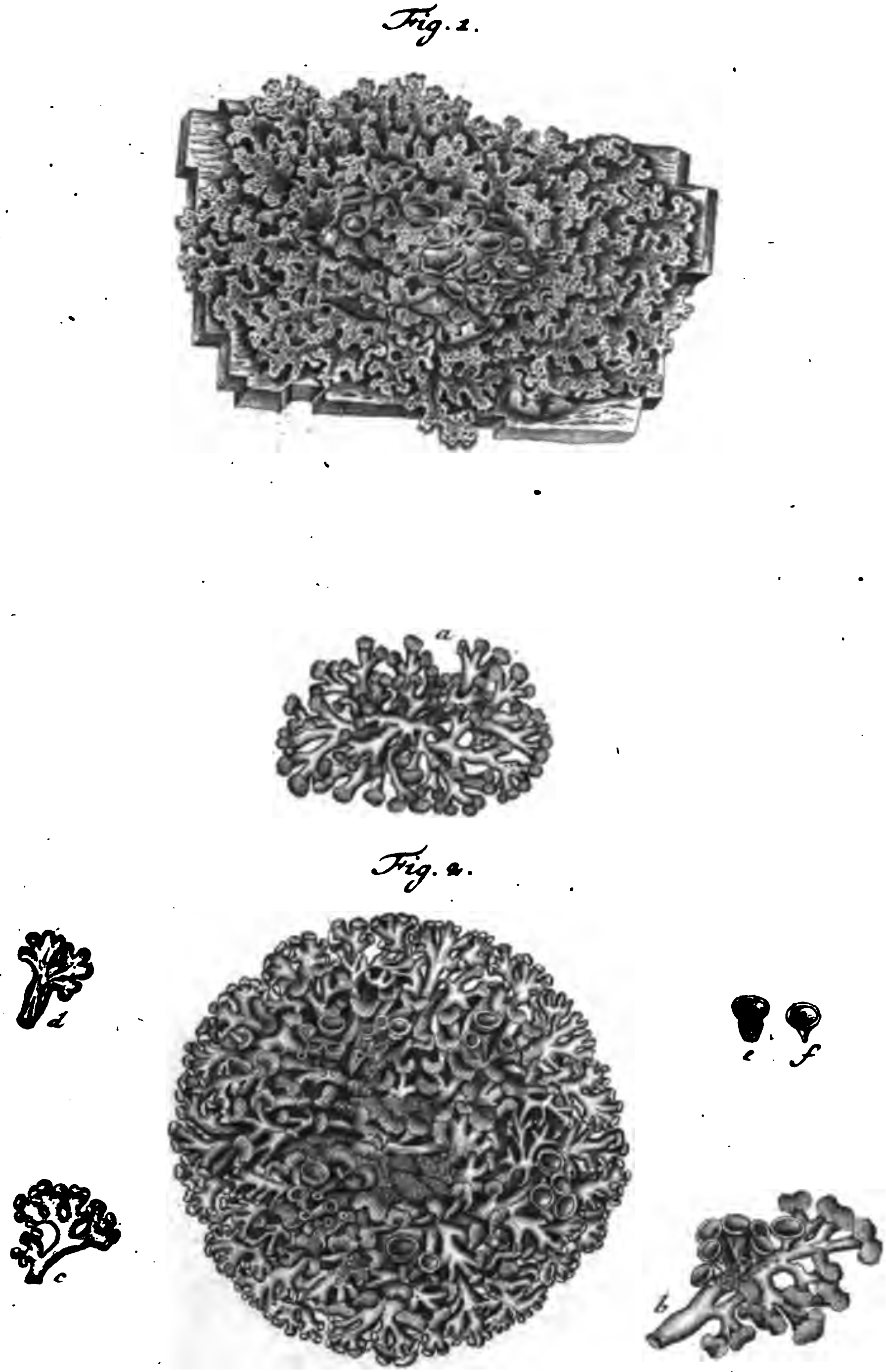


Fig. 1. L. Saxatilis. var. A. Fig. 2. L. physodes.

Autor del. Bock ſc.

Fig. 1.



Fig. 2.

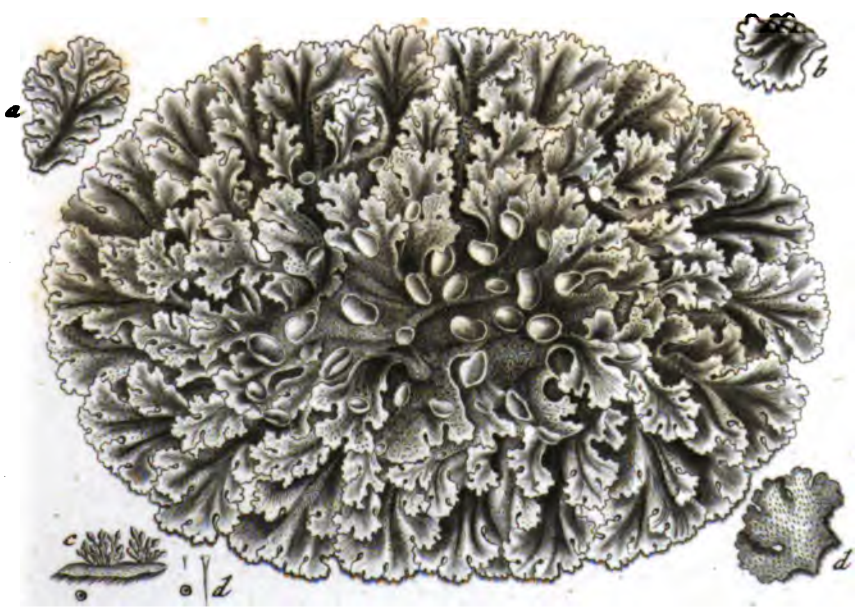


Fig. 1. L. Saxatilis. Var. B. *Fig. 2. L. Tiliaceus.*

Autor del. *Bock sc.*

Fig. 1.



Fig. 2.

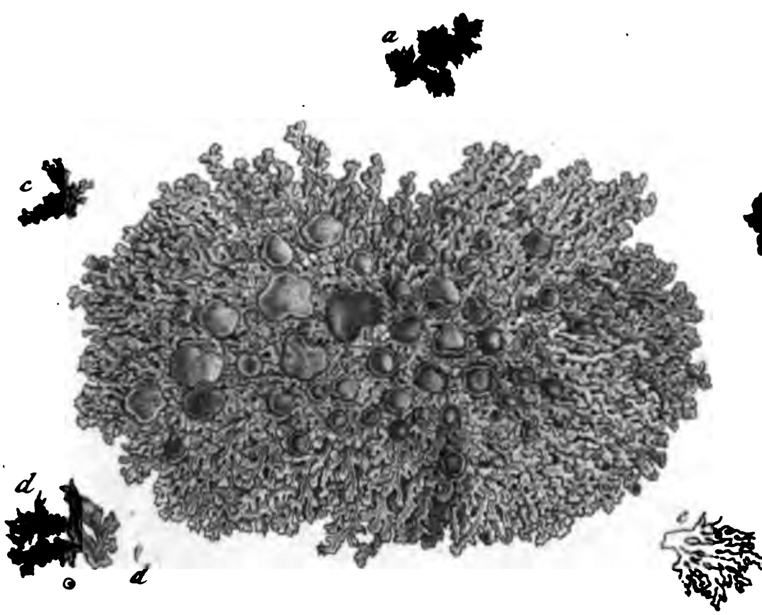


Fig. 1. L. sepincola. Fig. 2. L. Fahlunenſis.

Autor del. I. Nußbiegel ſc.

Tab. XVIII.

Fig. 1.

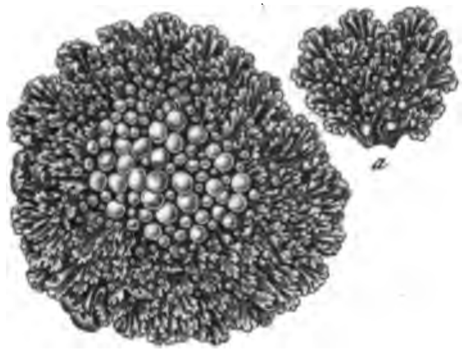


Fig. 2.

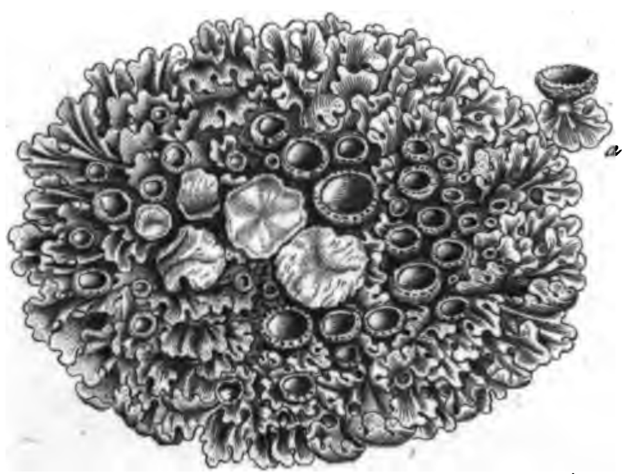


Fig. 1. L. parietinus. Fig. 2. L. acetabulum.

Autor del. *I. Nuſsbiegel ſc.*

Fig. 1.

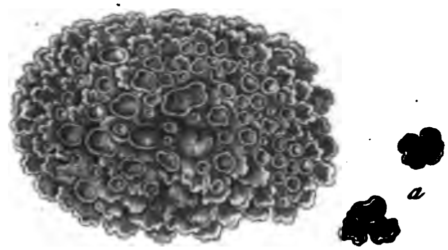


Fig. 2.

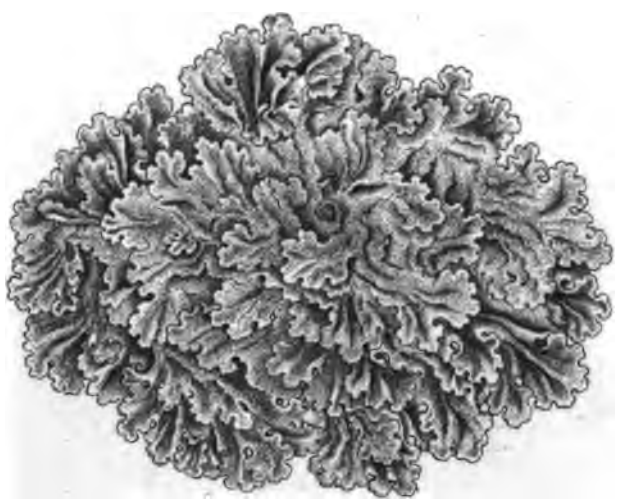
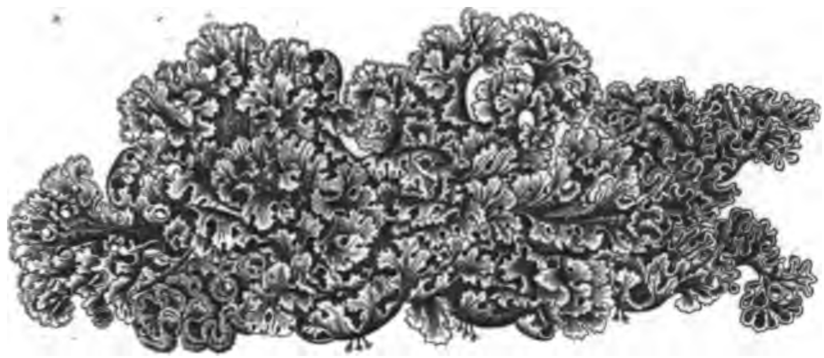


Fig. 1. L. craſsus. Fig. 2. L. caperatus.

Autor del. *Berndt ſc.*

Fig. 1.



a



Fig. 2.



Fig. 1. L. glaucus. Fig. 2. L. caperatus.

Autor del. *Bock sc.*

Fig. 1.

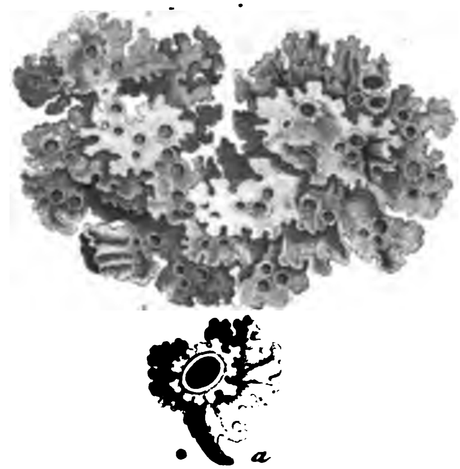


Fig. 2.



Fig. 1. L. Burgeſſii. Fig. 2. L. plumbeus.

Moſ. Gritfits del. Berndt ſc.

Tab. XXII.

Fig. 1.

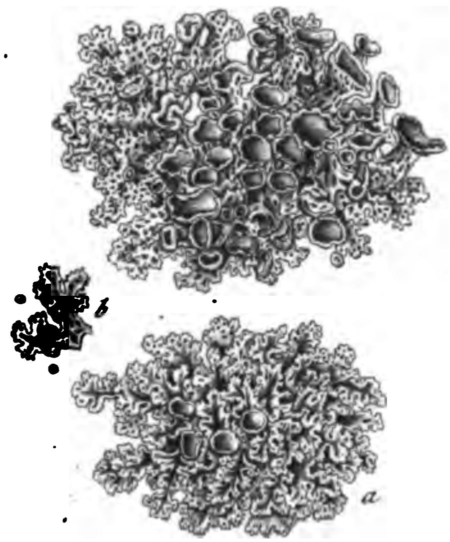


Fig. 2.



Fig. 1. L. juniperinus. Fig. 2. L. pinaſtri.

Autor del. *I. Nuſsbiegel ſc.*